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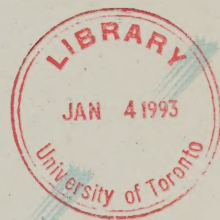
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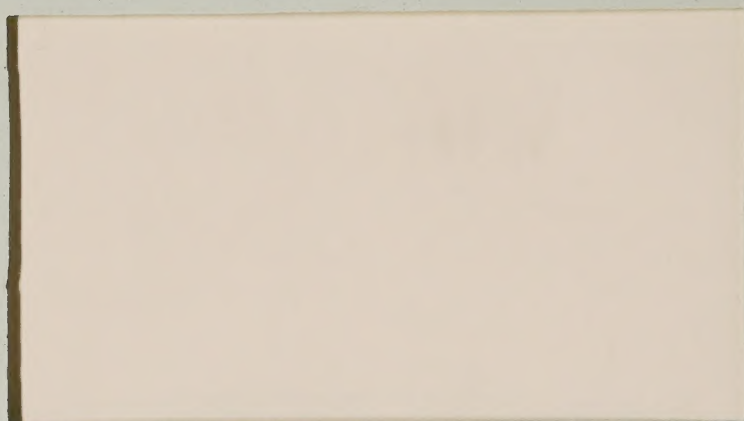
Report Prepared for the Research Division
Royal Commission on National Passenger Transportation

Intercity Passenger Transportation Data Compendium

Robert Leore
September 1992

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Royal Commission on
National Passenger
Transportation



Commission royale sur le
transport des voyageurs
au Canada

INTERCITY PASSENGER TRANSPORTATION DATA COMPENDIUM

"Mark V"

ROYAL COMMISSION ON NATIONAL PASSENGER TRANSPORTATION

September 30, 1992

**Robert Leore
Research Division**

INTRODUCTORY NOTE

This data compendium was assembled over the mid-1990 to mid-1992 period, for internal use by Royal Commission on National Passenger Transportation staff. It is drawn primarily from published data, predominantly Statistics Canada data, although some unpublished tabulations of Statistics Canada data prepared for the Royal Commission by Statistics Canada, and some estimates developed by the Royal Commission staff, are also included.

The focus of the compendium, however, is on data not estimates. The compendium does not provide comprehensive coverage of estimates—particularly of transportation costs—developed by the Royal Commission staff. The reader is referred to Volumes 1 and 2 of *Directions: The Final Report of the Royal Commission on National Passenger Transportation* for estimates of passenger transportation costs, for estimates of some aspects of levels of passenger transportation activity where published data are not available, and for discussion of transportation data issues.

While substantial efforts were made to check that published data were transcribed accurately and that latest available sources were used, this compendium should not of course be used as if it were an official data source. The reader is also advised to refer to the original publications for notes that may be important for interpretation of data series.

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Domestic Intercity Travel by Primary Mode of Transportation, 1980-1990

							Average annual growth rates (%)	
	1980	1982	1984	1986	1988	1990	1980-1990	1988-1990
I. Domestic intercity travel ('000s of person-trips)								
Auto	97,877	90,029	85,118	103,521	119,715	121,355	2.2	0.7
Plane	6,053	4,992	4,872	6,263	6,849	6,565	0.8	-2.1
Bus	4,425	3,886	3,772	4,004	3,876	3,726	-1.7	-2.0
Rail	1,289	1,247	1,338	1,267	1,423	802	-4.6	-24.9
Boat	256	238	338	314	324	349	3.1	3.8
Other	475	789	1,086	902	847	763	4.9	-5.1
Not stated	622	461	267	419	239	270	-	-
Total	110,997	101,642	96,791	116,690	133,273	133,830	1.9	0.2

Boldface numbers indicate data have high sampling variability and should be used with caution.

II. Percentage distribution of total travel

Auto	88.2	88.6	87.9	88.7	89.8	90.7
Plane	5.5	4.9	5.0	5.4	5.1	4.9
Bus	4.0	3.8	3.9	3.4	2.9	2.8
Rail	1.2	1.2	1.4	1.1	1.1	0.6
Boat	0.2	0.2	0.3	0.3	0.2	0.3
Other	0.4	0.8	1.1	0.8	0.6	0.6
Not stated	0.6	0.5	0.3	0.4	0.2	0.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

Source: Statistics Canada, *Touriscope: Domestic Travel 1990*, Catalogue no. 87-504, October 1991, p. 27.

Notes: 1) Person-trips are round-trips and are assigned to the "primary" mode (i.e. the mode which was used to travel the greatest distance) even though more than one mode may have been used on a single trip; 2) Other includes trips taken by motorcycle and bicycle; 3) An average annual compound growth rate (AAGR) is computed by using the following formula: $\left(\frac{X_1}{X_2} \right)^{\frac{1}{(t_1-t_2)}} - 1 \times 100$, where 'X1' and 'X2' are the latest and earliest observations in the period, and 't1' and 't2' the last and first year in the period under examination. For example, the AAGR in auto trips between 1980 and 1990 is $\left(\frac{121,355}{97,877} \right)^{\frac{1}{(1990-1980)}} - 1 \times 100 = 2.2\%$.

Domestic Intercity Person-Kilometres Travelled, by Primary Mode of Transportation, 1984-1990

	AAGR (%)					Percentage distribution			
	1984	1986	1988	1990	1988— 1990				
						1984	1986	1988	1990
I. Domestic intercity person—kilometres (millions)									
Auto	40,629	50,064	56,671	56,707	0.0	68.2	67.3	69.9	69.7
Air	14,292	19,047	20,015	20,751	1.8	24.0	25.6	24.7	25.5
Bus	2,366	2,744	2,327	2,423	2.0	4.0	3.7	2.9	3.0
Rail	1,428	1,455	1,318	646	−30.0	2.4	2.0	1.6	0.8
Other	823	1,054	697	848	10.3	1.4	1.4	0.9	1.0
Total	59,538	74,364	81,028	81,375	0.2	100.0	100.0	100.0	100.0

II. Domestic intercity person-trips ('000s)

Auto	85,118	103,521	119,715	121,355	0.7	87.9	88.7	89.8	90.7
Air	4,872	6,263	6,849	6,565	-2.1	5.0	5.4	5.1	4.9
Bus	3,772	4,004	3,876	3,726	-2.0	3.9	3.4	2.9	2.8
Rail	1,338	1,267	1,423	802	-24.9	1.4	1.1	1.1	0.6
Other	1,691	1,635	1,410	1,382	-1.0	1.7	1.4	1.1	1.0
Total	96,791	116,690	133,273	133,830	0.2	100.0	100.0	100.0	100.0

III. Implicit average round-trip distance travelled (kilometres)

Auto	477	484	473	467	-0.6
Air	2,933	3,041	2,922	3,161	4.0
Bus	627	685	600	650	4.1
Rail	1,067	1,148	926	805	-6.7
Other	487	645	494	614	11.4
Total	615	637	608	608	0.0

Sources:

Person-kilometres: 1984-1988: Statistics Canada, *Air Passenger Origin and Destination, Domestic Report 1988*, Catalogue no. 51-204, p. xviii. These data, which are from the Canadian Travel Survey, appeared in a special article on passenger transportation; 1990: Unpublished data from the Canadian Travel Survey.

Person-trips: Statistics Canada, *Touriscope: Domestic Travel 1990*, Catalogue 87-504, October 1991, p. 27.

Notes: 1) Person-kilometre data are estimates of round-trip length of all trips over 80 kilometres in one-way distance; 2) "Other" includes boat, motorcycle, and bicycle; AAGR stands for average annual growth rate.

Domestic Intercity Travel by One-Way Length of Trip, 1980-1990

							Average annual growth rates (%)	
	1980	1982	1984	1986	1988	1990	1980— 1990	1988— 1990
I. Domestic intercity travel ('000s of person—trips)								
80 — 159 km	49,897	45,909	43,354	52,092	60,700	62,278	2.2	1.3
160 — 319 km	33,874	30,552	29,874	35,393	39,071	39,587	1.6	0.7
320 — 799 km	17,643	17,011	16,252	19,085	22,813	20,420	1.5	−5.4
800 — 1,599 km	4,984	4,191	3,960	5,085	4,974	4,954	−0.1	−0.2
1,600—3,199 km	1,942	1,689	1,428	1,760	1,974	2,192	1.2	5.4
3,200 km or more	1,163	1,135	938	1,346	1,220	1,401	1.9	7.2
Not stated	1,494	1,155	985	1,929	2,521	2,999	7.2	9.1
Total	110,997	101,642	96,791	116,690	133,273	133,831	1.9	0.2

II. Percentage distribution of total travel

80 - 159 km	45.0	45.2	44.8	44.6	45.5	46.5
160 - 319 km	30.5	30.1	30.9	30.3	29.3	29.6
320 - 799 km	15.9	16.7	16.8	16.4	17.1	15.3
800 - 1,599 km	4.5	4.1	4.1	4.4	3.7	3.7
1,600-3,199 km	1.7	1.7	1.5	1.5	1.5	1.6
3,200 km or more	1.0	1.1	1.0	1.2	0.9	1.0
Not stated	1.3	1.1	1.0	1.7	1.9	2.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

Source: Statistics Canada, *Touriscope: Domestic Travel 1990*, Catalogue no. 87-504, October 1991, p. 27.

**Domestic Intercity Travel by One-Way Distances
Travelled, Distributed by the Primary Mode Used on the Trip, 1990**

	Auto	Air	Bus	Rail	Other	Total
I. Domestic intercity travel ('000s of person-trips)						
Short trips (80-319 km)	97,518	460	2,550	415	922	101,865
Mid-length trips (320-799 km)	17,074	2,054	789	288	215	20,420
Long trips (800-3,199 km)	4,031	2,625	265	83	142	7,146
Transcontinental (>3,200 km)	252	1,116	23	2	7	1,400
Not stated	2,480	310	99	14	96	2,999
Total	121,355	6,565	3,726	802	1,382	133,830

I.1. Percentage distribution of total trips for each mode by one-way distances travelled

Short trips (80-319 km)	80.4	7.0	68.4	76.1	60.9	76.1
Mid-length trips (320-799 km)	14.1	31.3	21.2	15.3	27.9	15.3
Long trips (800-3,199 km)	3.3	40.0	7.1	5.3	8.9	5.3
Transcontinental (>3,200 km)	0.2	17.0	0.6	1.0	0.3	1.0
Not stated	2.0	4.7	2.7	2.2	1.9	2.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

I.2. Percentage distribution of the modes used for each trip length

Short trips (80-319 km)	95.7	0.5	2.5	0.4	0.9	100.0
Mid-length trips (320-799 km)	83.6	10.1	3.9	1.4	1.1	100.0
Long trips (800-3,199 km)	56.4	36.7	3.7	1.2	2.0	100.0
Transcontinental (>3,200 km)	18.0	79.7	1.6	0.1	0.5	100.0
Not stated	82.7	10.3	3.3	0.5	3.2	100.0
Total	90.7	4.9	2.8	0.6	1.0	100.0

Source: Unpublished data from the Canadian Travel Survey.

Notes: 1) Data applicable to person-trips under 175,000 are to be used with caution owing to high sampling variability; 2) Other includes all other modes and a not-stated category.

Domestic Intercity Travel by Province of Origin and Destination, 1980-1990

	1980	1982	1984	1986	1988	1990	AAGR (%)	
							1980 - 1990	1988 - 1990
I. Domestic intercity travel by province of origin ('000s of person-trips)								
Newfoundland	1,883	1,791	1,467	1,546	2,399	2,446	2.7	1.0
P.E.I.	274	311	278	311	345	361	2.8	2.3
Nova Scotia	4,012	3,498	3,033	4,395	4,701	5,098	2.4	4.1
New Brunswick	2,980	2,791	2,365	3,019	3,335	3,514	1.7	2.6
Quebec	26,978	22,491	20,163	25,812	27,948	27,008	0.0	-1.7
Ontario	37,858	36,148	36,449	42,176	50,369	49,912	2.8	-0.5
Manitoba	6,061	5,522	5,284	6,222	6,557	6,691	1.0	1.0
Saskatchewan	7,726	6,988	6,660	7,396	7,350	7,634	-0.1	1.9
Alberta	13,212	13,488	12,790	15,853	17,974	18,701	3.5	2.0
British Columbia	9,980	8,414	8,160	9,959	12,297	12,466	2.2	0.7
Not stated	13	200	142	1	-	-	-	-
Canada	110,997	101,642	96,791	116,690	133,275	133,831	1.9	0.2
II. Domestic intercity travel by province of destination ('000s of person-trips)								
Newfoundland	1,923	1,820	1,496	1,565	2,410	2,398	2.2	-0.2
P.E.I.	563	537	458	495	517	556	-0.1	3.7
Nova Scotia	4,018	3,738	3,139	4,352	4,695	5,146	2.5	4.7
New Brunswick	2,873	2,612	2,225	2,978	3,542	3,581	2.2	0.5
Quebec	26,571	22,914	20,794	25,544	28,178	27,467	0.3	-1.3
Ontario	37,600	35,416	35,524	42,076	49,756	48,943	2.7	-0.8
Manitoba	5,364	5,231	5,012	5,863	6,110	6,408	1.8	2.4
Saskatchewan	7,178	6,963	6,563	6,908	7,355	7,731	0.7	2.5
Alberta	13,064	12,644	12,226	15,269	17,144	18,234	3.4	3.1
British Columbia	10,750	9,239	8,793	11,499	13,372	13,211	2.1	-0.6
Not stated	1,073	496	561	141	194	153	-	-
Canada	110,997	101,642	96,791	116,690	133,273	133,830	1.9	0.2
I.1. Percentage distribution of domestic intercity travel by province of origin								
Newfoundland	1.7	1.8	1.5	1.3	1.8	1.8		
P.E.I.	0.2	0.3	0.3	0.3	0.3	0.3		
Nova Scotia	3.6	3.4	3.1	3.8	3.5	3.8		
New Brunswick	2.7	2.7	2.4	2.6	2.5	2.6		
Quebec	24.3	22.1	20.8	22.1	21.0	20.2		
Ontario	34.1	35.6	37.7	36.1	37.8	37.3		
Manitoba	5.5	5.4	5.5	5.3	4.9	5.0		
Saskatchewan	7.0	6.9	6.9	6.3	5.5	5.7		
Alberta	11.9	13.3	13.2	13.6	13.5	14.0		
British Columbia	9.0	8.3	8.4	8.5	9.2	9.3		
Not stated	0.0	0.2	0.1	0.0	-	-		
Canada	100.0	100.0	100.0	100.0	100.0	100.0		
II.1. Percentage distribution of domestic intercity travel by province of destination								
Newfoundland	1.7	1.8	1.5	1.3	1.8	1.8		
P.E.I.	0.5	0.5	0.5	0.4	0.4	0.4		
Nova Scotia	3.6	3.7	3.2	3.7	3.5	3.8		
New Brunswick	2.6	2.6	2.3	2.6	2.7	2.7		
Quebec	23.9	22.5	21.5	21.9	21.1	20.5		
Ontario	33.9	34.8	36.7	36.1	37.3	36.6		
Manitoba	4.9	5.1	5.2	5.0	4.6	4.8		
Saskatchewan	6.5	6.9	6.8	5.9	5.5	5.8		
Alberta	11.8	12.4	12.6	13.1	12.9	13.6		
British Columbia	9.7	9.1	9.1	9.9	10.0	9.9		
Not stated	1.0	0.5	0.6	0.1	0.1	0.1		
Canada	100.0	100.0	100.0	100.0	100.0	100.0		
III. Population by province ('000s)								
Newfoundland	566	566	572	568	569	573	0.1	0.4
P.E.I.	123	122	125	127	129	130	0.6	0.7
Nova Scotia	845	850	864	873	882	894	0.6	0.7
New Brunswick	695	697	708	710	714	723	0.4	0.6
Quebec	6,386	6,462	6,492	6,540	6,641	6,769	0.6	1.0
Ontario	8,570	8,703	8,902	9,113	9,431	9,743	1.3	1.6
Manitoba	1,025	1,033	1,055	1,071	1,084	1,092	0.6	0.3
Saskatchewan	959	977	1,001	1,010	1,014	1,000	0.4	-0.7
Alberta	2,141	2,315	2,339	2,375	2,389	2,472	1.4	1.7
British Columbia	2,666	2,788	2,848	2,889	2,980	3,127	1.6	2.4
Canada (10 Provinces)	23,976	24,512	24,905	25,277	25,832	26,523	1.0	1.3
IV. Travel propensities (number of trips per capita, province of origin basis)								
Newfoundland	3.33	3.18	2.56	2.72	4.22	4.27	2.5	0.6
P.E.I.	2.23	2.54	2.22	2.46	2.68	2.77	2.2	1.6
Nova Scotia	4.75	4.12	3.51	5.03	5.33	5.70	1.8	3.4
New Brunswick	4.29	4.01	3.34	4.25	4.67	4.86	1.3	2.0
Quebec	4.22	3.48	3.11	3.95	4.21	3.99	-0.6	-2.6
Ontario	4.42	4.15	4.09	4.63	5.34	5.12	1.5	-2.1
Manitoba	5.93	5.34	5.01	5.81	6.05	6.13	0.3	0.7
Saskatchewan	8.05	7.15	6.66	7.32	7.25	7.64	-0.5	2.6
Alberta	6.17	5.83	5.47	6.67	7.52	7.57	2.1	0.3
British Columbia	3.74	3.02	2.87	3.45	4.13	3.99	0.6	-1.7
Canada	4.63	4.15	3.89	4.62	5.16	5.05	0.9	-1.1

Sources:

Travel: Statistics Canada, *Touriscope: Domestic Travel 1990*, Catalogue no. 87-504, October 1991, p. 27.Population: Statistics Canada, *Canadian Economic Observer, Historical Statistical Supplement 1990/1991*, Catalogue no. 11-210, July 1991, pp. 96-97.

Note: Population totals exclude population from the Territories. Since the figures are based on a source which uses a different methodology, these data will differ from the population by age group data from the Labour Force Survey.

Domestic Intercity Travel Within and Between Provinces, 1988 and 1990

1988

Province of destination	Province of origin										Total by destination
	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	
Newfoundland	2,292	H	45	18	H	H	H	H	H	H	2,398
P.E.I.	13	192	142	123	H	H	H	H	H	H	556
Nova Scotia	46	77	4,265	408	68	248	H	H	H	H	5,148
New Brunswick	15	56	300	2,668	268	180	H	H	H	H	3,581
Quebec	12	H	50	145	23,889	3,207	37	H	47	H	27,467
Ontario	54	H	161	128	2,528	44,992	514	88	269	209	48,943
Manitoba	H	H	H	H	37	313	5,552	225	134	141	6,408
Saskatchewan	H	H	H	H	H	H	296	6,426	725	177	7,731
Alberta	H	H	H	H	59	306	153	697	18,058	944	18,234
British Columbia	H	H	H	H	104	473	108	195	1,403	10,901	13,211
Total by origin:	2,446	361	5,098	3,514	27,008	49,912	6,691	7,634	18,701	12,466	133,831
Total by destination:											133,677
Not stated:											153

Provincial travel as a share of total travel by province of origin (%)

Province of destination	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Total by destination
Newfoundland	93.7	H	H	H	H	H	H	H	H	H	1.8
P.E.I.	H	53.2	2.8	3.5	H	H	H	H	H	H	0.4
Nova Scotia	H	21.3	83.7	11.6	H	H	H	H	H	H	3.8
New Brunswick	H	15.5	7.7	75.9	1.0	H	H	H	H	H	2.7
Quebec	H	H	H	4.1	88.5	6.4	H	H	H	H	20.5
Ontario	H	H	3.2	3.8	9.4	90.1	7.7	0.9	1.4	H	36.6
Manitoba	H	H	H	H	H	H	83.0	2.9	0.7	H	4.8
Saskatchewan	H	H	H	H	H	H	4.4	84.2	3.9	H	5.8
Alberta	H	H	H	H	H	H	2.3	9.1	85.9	7.6	13.6
British Columbia	H	H	H	H	H	H	1.6	2.6	7.5	87.4	9.9
Total by origin:	1.8	0.3	3.8	2.6	20.2	37.3	5.0	5.7	14.0	9.3	100.0
Total by destination:											99.9
Not stated:											0.1

1990

Province of destination	Province of origin										Total by destination
	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	
Newfoundland	2,229	H	H	H	H	H	H	H	H	H	2,410
P.E.I.	H	195	98	112	H	H	H	H	H	H	518
Nova Scotia	H	66	3,801	346	H	H	H	H	H	H	4,695
New Brunswick	H	56	416	2,528	278	H	H	H	H	H	3,542
Quebec	H	H	H	195	24,110	3,634	H	H	H	H	28,177
Ontario	H	H	222	111	3,360	44,927	551	109	232	H	49,756
Manitoba	H	H	H	H	H	H	5,384	234	145	H	6,110
Saskatchewan	H	H	H	H	H	H	296	6,080	806	H	7,355
Alberta	H	H	H	H	H	H	152	683	15,042	936	17,145
British Columbia	H	H	H	H	H	H	120	199	1,631	10,994	13,372
Total by origin:	2,399	346	4,701	3,335	27,948	50,369	6,557	7,349	17,973	12,296	133,273
Total by destination:											133,080
Not stated:											193

Provincial travel as a share of total travel by province of origin (%)

Province of destination	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Total by destination
Newfoundland	92.9	H	H	H	H	H	H	H	H	H	1.8
P.E.I.	H	56.4	2.1	3.4	H	H	H	H	H	H	0.4
Nova Scotia	H	19.1	80.9	10.4	H	H	H	H	H	H	3.5
New Brunswick	H	16.2	8.8	75.8	1.0	H	H	H	H	H	2.7
Quebec	H	H	H	5.8	86.3	7.2	H	H	H	H	21.1
Ontario	H	H	4.7	3.3	12.0	89.2	6.4	1.5	1.3	H	37.3
Manitoba	H	H	H	H	H	H	82.1	3.2	0.8	H	4.6
Saskatchewan	H	H	H	H	H	H	4.5	82.7	4.5	H	5.5
Alberta	H	H	H	H	H	H	2.3	9.3	83.7	7.6	12.9
British Columbia	H	H	H	H	H	H	1.8	2.7	9.1	89.4	10.0
Total by origin:	1.8	0.3	3.5	2.5	21.0	37.8	4.9	5.5	13.5	9.2	100.0
Total by destination:											99.9
Not stated:											0.1

Sources:

1988: Statistics Canada, *Touriscope 1988: Domestic Travel*, Catalogue no. 87-504, October 1989, p. 62.1990: Statistics Canada, *Touriscope: Domestic Travel 1990*, Catalogue 87-504, October 1991, p. 35.

Note: 1) H denotes data are too variable to be released; 2) boldface type indicates that data should be used with caution owing to high sampling variability.

Domestic Intercity Travel Between Selected Census Metropolitan Area Pairs, 1988

('000s of person-trips)

CMA of origin	CMA of destination	Overnight	Same day	Total
Montreal	Quebec	914	264 ?	1,178
Kitchener	Toronto	186 ?	899 *	1,085
Toronto	St. Catharines	452 *	429 *	981 *
Montreal	Ottawa-Hull	498	417	915
Ottawa-Hull	Montreal	643 *	234 ?	877 *
Montreal	Toronto	720	100 ?	820
Toronto	Montreal	597 *	205 ?	802 *
Toronto	Kitchener	230 ?	553 *	783 *
Quebec	Montreal	521	193 *	714
Toronto	London	690 *	16 ?	706 *
Toronto	Ottawa-Hull	647 *	48 ?	695 *
Ottawa-Hull	Toronto	620 *	65 ?	685 *
Montreal	Sherbrooke	354 *	251 *	605
Calgary	Edmonton	506	30 ?	536
London	Toronto	387 *	138 ?	525
Victoria	Vancouver	293 *	228 *	521
St. Catharines	Toronto	H	H	512 *
Edmonton	Calgary	393	113 *	506

Source: Statistics Canada, *Touriscope 1988: Domestic Travel*, Catalogue no. 87-504, October 1989, p. 71.

Notes:

'H' denotes that data are too variable to be released.

'?' denotes that data are unreliable.

'*' denotes that data are to be used with caution.

The St. Catharines CMA includes the Niagara Region and the City of Niagara Falls.

Domestic Intercity Travel by Main Purpose of Trip, 1980-1990

	1980	1982	1984	1986	1988	1990	Average annual growth rates (%)	
							1980–	1988–
							1990	1990
i. Domestic intercity travel ('000s of person–trips)								
V.F.R.	35,929	33,889	34,816	41,286	47,999	46,061	2.5	–2.0
Pleasure	44,452	38,033	36,104	44,103	49,891	49,168	1.0	–0.7
Business	19,188	17,454	15,543	19,832	22,585	24,541	2.5	4.2
Personal	10,516	11,585	10,111	11,221	12,525	13,771	2.7	4.9
Not stated	912	681	217	248	273	289	–	–
Total	110,997	101,642	96,791	116,690	133,273	133,830	1.9	0.2

I.1. Percentage distribution of total travel

V.F.R.	32.4	33.3	36.0	35.4	36.0	34.4
Pleasure	40.0	37.4	37.3	37.8	37.4	36.7
Business	17.3	17.2	16.1	17.0	16.9	18.3
Personal	9.5	11.4	10.4	9.6	9.4	10.3
Not stated	0.8	0.7	0.2	0.2	0.2	0.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

II. Domestic overnight intercity travel ('000s of person-trips)

V.F.R.	26,748	26,546	27,889	30,037	32,407	30,830	1.4	-2.5
Pleasure	33,279	28,617	27,014	29,482	30,285	30,405	-0.9	0.2
Business	9,351	9,131	7,207	11,074	12,024	12,168	2.7	0.6
Personal	4,552	5,666	4,439	4,577	4,639	4,838	0.6	2.1
Not stated	557	175	77	105	105	85	-	-
Total	74,487	70,135	66,626	75,275	79,460	78,326	0.5	-0.7

II.1. Overnight trips by purpose as a share of total overnight trips (%)

V.F.R.	35.9	37.8	41.9	39.9	40.8	39.4
Pleasure	44.7	40.8	40.5	39.2	38.1	38.8
Business	12.6	13.0	10.8	14.7	15.1	15.5
Personal	6.1	8.1	6.7	6.1	5.8	6.2
Not stated	0.7	0.2	0.1	0.1	0.1	0.1
Total	100.0	100.0	100.0	100.0	100.0	100.0

II.2. Overnight trips by purpose as a share of total trips (%)

V.F.R.	24.1	26.1	28.8	25.7	24.3	23.0
Pleasure	30.0	28.2	27.9	25.3	22.7	22.7
Business	8.4	9.0	7.4	9.5	9.0	9.1
Personal	4.1	5.6	4.6	3.9	3.5	3.6
Not stated	0.5	0.2	0.1	0.1	0.1	0.1
Total	67.1	69.0	68.8	64.5	59.6	58.5

Source: Statistics Canada, *Touriscope: Domestic Travel 1990*, Catalogue 87-504, October 1991, pp. 27-28.

Notes: 1) V.F.R. stands for visiting friends/relatives; 2) Business trips include travel to conventions.

Domestic Intercity Travel by Mode and Purpose, 1980 and 1990

	Business	Visiting friends/ relatives	Pleasure	Personal	Not stated	Total
1990						
I. Domestic intercity travel ('000s of person-trips)						
Auto	19,243	42,729	46,363	13,020	—	121,355
Plane	4,386	1,290	616	272	—	6,564
Bus	444	1,430	1,448	404	—	3,726
Rail	265	335	145	59	—	804
Other	203	276	596	306	—	1,381
Total	24,541	46,060	49,168	14,061	—	133,830

I.1. Percentage distribution of the modes used for each trip purpose

Auto	78.4	92.8	94.3	92.6	—	90.7
Plane	17.9	2.8	1.3	1.9	—	4.9
Bus	1.8	3.1	2.9	2.9	—	2.8
Rail	1.1	0.7	0.3	0.4	—	0.6
Other	0.8	0.6	1.2	2.2	—	1.0
Total	100.0	100.0	100.0	100.0	—	100.0

I.2. Percentage distribution of trip purposes carried out by each mode

Auto	15.9	35.2	38.2	10.7	—	100.0
Plane	66.8	19.7	9.4	4.1	—	100.0
Bus	11.9	38.4	38.9	10.8	—	100.0
Rail	33.0	41.7	18.0	7.3	—	100.0
Other	14.7	20.0	43.2	22.2	—	100.0
Total	18.3	34.4	36.7	10.5	—	100.0

1980**I. Domestic intercity travel ('000s of person-trips)**

Auto	14,703	32,112	40,992	9,500	571	97,878
Plane	3,472	1,228	947	373	32	6,052
Bus	564	1,704	1,614	504	39	4,425
Rail	266	579	339	90	15	1,289
Other	183	307	559	49	255	1,353
Total	19,188	35,930	44,451	10,516	912	110,997

I.1. Percentage distribution of the modes used for each trip purpose

Auto	76.6	89.4	92.2	90.3	62.6	88.2
Plane	18.1	3.4	2.1	3.5	3.5	5.5
Bus	2.9	4.7	3.6	4.8	4.3	4.0
Rail	1.4	1.6	0.8	0.9	1.6	1.2
Other	1.0	0.9	1.3	0.5	28.0	1.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

I.2. Percentage distribution of trip purposes carried out by each mode

Auto	15.0	32.8	41.9	9.7	0.6	100.0
Plane	57.4	20.3	15.6	6.2	0.5	100.0
Bus	12.7	38.5	36.5	11.4	0.9	100.0
Rail	20.6	44.9	26.3	7.0	1.2	100.0
Other	13.5	22.7	41.3	3.6	18.8	100.0
Total	17.3	32.4	40.0	9.5	0.8	100.0

Source: 1980: Unpublished data from the Canadian Travel Survey; 1990: Statistics Canada, *Touriscope: Domestic Travel 1990*, Catalogue no. 87-504, October 1991, p. 42.

Note: Personal includes the not stated category for 1990.

Domestic Overnight Intercity Travel by Mode and Purpose, 1980 and 1990

	Business	Visiting friends/ relatives	Pleasure	Personal	Not stated	Total
1990						
I. Domestic overnight intercity travel ('000s of person-trips)						
Auto	8,033	27,719	28,475	4,286	—	68,513
Plane	3,635	1,272	607	246	—	5,760
Bus	231	1,330	766	223	—	2,550
Rail	206	291	120	36	—	653
Other	63	218	438	131	—	850
Total	12,168	30,830	30,406	4,922	—	78,326

I.1. Percentage distribution of the modes used for each trip purpose

Auto	66.0	89.9	93.6	87.1	—	87.5
Plane	29.9	4.1	2.0	5.0	—	7.4
Bus	1.9	4.3	2.5	4.5	—	3.3
Rail	1.7	0.9	0.4	0.7	—	0.8
Other	0.5	0.7	1.4	2.7	—	1.1
Total	100.0	100.0	100.0	100.0	—	100.0

I.2. Percentage distribution of trip purposes carried out by each mode

Auto	11.7	40.5	41.6	6.3	—	100.0
Plane	63.1	22.1	10.5	4.3	—	100.0
Bus	9.1	52.2	30.0	8.7	—	100.0
Rail	31.5	44.6	18.4	5.5	—	100.0
Other	7.4	25.6	51.5	15.4	—	100.0
Total	15.5	39.4	38.8	6.3	—	100.0

1980**I. Domestic overnight intercity travel ('000s of person-trips)**

Auto	6,195	23,111	30,651	3,727	379	64,063
Plane	2,538	1,227	899	356	31	5,051
Bus	351	1,594	985	360	35	3,325
Other	217	690	627	102	32	1,668
Not stated	50	126	117	7	80	380
Total	9,351	26,748	33,279	4,552	557	74,487

I.1. Percentage distribution of the modes used for each trip purpose

Auto	66.2	86.4	92.1	81.9	68.0	86.0
Plane	27.1	4.6	2.7	7.8	5.6	6.8
Bus	3.8	6.0	3.0	7.9	6.3	4.5
Other	2.3	2.6	1.9	2.2	5.7	2.2
Not stated	0.5	0.5	0.4	0.2	14.4	0.5
Total	100.0	100.0	100.0	100.0	100.0	100.0

I.2. Percentage distribution of trip purposes carried out by each mode

Auto	9.7	36.1	47.8	5.8	0.6	100.0
Plane	50.2	24.3	17.8	7.0	0.6	100.0
Bus	10.6	47.9	29.6	10.8	1.1	100.0
Other	13.0	41.4	37.6	6.1	1.9	100.0
Not stated	13.2	33.2	30.8	1.8	21.1	100.0
Total	12.6	35.9	44.7	6.1	0.7	100.0

Source: 1980: Statistics Canada, *Touriscope 1988: Domestic Travel*, Catalogue no. 87-504, October 1989, p. 76;

1990: Statistics Canada, *Touriscope: Domestic Travel 1990*, Catalogue no. 87-504, October 1991, p. 42.

Note: Personal includes the not stated category for 1990.

Domestic Intercity Travel by Age Group, 1980-1990

	1980	1982	1984	1986	1988	1990	AAGR (%)	
I. Domestic intercity travel ('000s of person-trips)							1980-1990	1988-1990
< 15	22,570	18,440	18,549	19,858	25,180	24,237	0.7	-1.9
15-24	21,907	18,080	14,965	19,205	18,876	16,809	-2.6	-5.1
25-34	24,145	23,350	21,842	25,480	29,467	28,194	1.6	-2.2
35-44	18,590	16,024	16,414	20,971	24,368	26,478	4.8	4.2
45-54	12,183	11,460	11,527	13,624	15,914	18,295	4.1	7.2
55-64	8,842	9,030	8,643	10,988	11,902	11,163	2.4	-3.2
65-69	2,502	2,835	2,486	3,457	4,140	4,393	5.8	3.0
70-74	n/a	n/a	n/a	1,982	2,133	n/a	n/a	n/a
75-79	n/a	n/a	n/a	830	1,078	n/a	n/a	n/a
80+	n/a	n/a	n/a	397	435	n/a	n/a	n/a
70+	2,258	2,443	2,368	3,208	3,846	4,261	6.6	8.1
65+	4,760	5,278	4,852	6,665	7,786	8,654	6.2	5.4
> 15	88,427	83,202	78,243	96,833	108,113	109,593	2.2	0.7
All ages	110,997	101,842	96,792	116,691	133,273	133,830	1.9	0.2

I.1. Percentage distribution of total travel

< 15	20.3	18.1	19.2	17.0	18.9	18.1		
15-24	19.7	17.8	15.5	16.5	14.0	12.6		
25-34	21.8	23.0	22.6	21.8	22.1	21.1		
35-44	14.9	15.8	17.0	18.0	18.3	19.8		
45-54	11.0	11.3	11.9	11.7	11.9	13.7		
55-64	8.0	8.9	8.9	9.3	8.9	8.3		
65-69	2.3	2.8	2.6	3.0	3.1	3.3		
70-74	n/a	n/a	n/a	1.7	1.6	n/a		
75-79	n/a	n/a	n/a	0.7	0.8	n/a		
80+	n/a	n/a	n/a	0.3	0.3	n/a		
70+	2.0	2.4	2.4	2.7	2.7	3.2		
65+	4.3	5.2	5.0	5.7	5.8	6.5		
> 15	79.7	81.9	80.8	83.0	81.1	81.9		
All ages	100.0	100.0	100.0	100.0	100.0	100.0		

II. Population estimates from the Labour Force Survey ('000s)

< 15	5,524	5,470	5,456	5,408	5,454	5,560	-0.2	1.0
15-24	4,554	4,461	4,264	4,075	3,898	3,749	-1.9	-1.9
25-34	4,027	4,196	4,312	4,435	4,568	4,645	1.6	0.8
35-44	2,819	3,079	3,345	3,588	3,832	4,108	3.9	3.5
45-54	2,454	2,461	2,473	2,510	2,619	2,790	0.8	3.2
55-64	2,085	2,176	2,261	2,297	2,320	2,327	1.3	0.2
65-69	808	837	841	897	973	1,023	2.3	2.5
70-74	610	653	700	739	756	781	2.7	1.6
75-79	418	448	478	511	551	598	3.5	4.3
80+	279	298	322	346	373	390	3.7	2.2
70+	1,307	1,399	1,500	1,596	1,680	1,787	3.2	3.1
65+	2,115	2,235	2,341	2,492	2,654	2,811	2.9	2.9
> 15	18,054	18,608	18,996	19,397	19,891	20,430	1.2	1.3
All ages	23,578	24,078	24,452	24,805	25,345	25,990	0.9	1.3

II.1. Percentage distribution of total population

< 15	23.4	22.7	22.3	21.8	21.5	21.4		
15-24	19.3	18.5	17.4	16.4	15.4	14.4		
25-34	17.1	17.4	17.6	17.9	18.0	17.9		
35-44	12.0	12.8	13.7	14.5	15.1	15.8		
45-54	10.4	10.2	10.1	10.1	10.3	10.7		
55-64	8.8	9.0	9.2	9.3	9.2	9.0		
65-69	3.4	3.5	3.4	3.6	3.8	3.9		
70-74	2.6	2.7	2.9	3.0	3.0	3.0		
75-79	1.8	1.9	2.0	2.1	2.2	2.3		
80+	1.2	1.2	1.3	1.4	1.5	1.5		
70+	5.5	5.8	6.1	6.4	6.6	6.9		
65+	9.0	9.3	9.6	10.0	10.5	10.8		
> 15	76.6	77.3	77.7	78.2	78.5	78.6		
All ages	100.0	100.0	100.0	100.0	100.0	100.0		

III. Travel propensities (total trips per person for each age group)

< 15	4.09	3.37	3.40	3.67	4.61	4.36	1.5	-2.8
15-24	4.81	4.05	3.51	4.71	4.79	4.48	-0.1	-3.3
25-34	6.00	5.56	5.07	5.75	6.45	6.07	0.9	-3.0
35-44	5.89	5.20	4.91	5.84	6.36	6.45	1.0	0.7
45-54	4.96	4.66	4.66	5.43	6.08	6.56	2.6	3.9
55-64	4.24	4.15	3.82	4.74	5.13	4.80	2.4	-3.3
65-69	3.10	3.39	2.96	3.85	4.25	4.29	4.1	0.5
70-74	n/a	n/a	n/a	2.68	2.82	n/a	n/a	n/a
75-79	n/a	n/a	n/a	1.63	1.96	n/a	n/a	n/a
80+	n/a	n/a	n/a	1.15	1.17	n/a	n/a	n/a
70+	1.73	1.75	1.58	2.01	2.17	2.38	2.9	4.8
65+	2.25	2.36	2.07	2.67	2.93	3.08	3.4	2.4
> 15	4.90	4.47	4.12	4.99	5.44	5.36	1.3	-0.7
All ages	4.71	4.22	3.96	4.70	5.28	5.15	1.4	-1.0

Sources:

Travel: Statistics Canada, *Touriscope: Domestic Travel 1990*, Catalogue 87-504, October 1991, p. 31. Population: >15 for 1980: Statistics Canada, *Labour Force Annual Averages 1975-1983*, Catalogue no. 71-529, February 1984, p. 14; >15 for 1982-1988: Statistics Canada, *Labour Force Annual Averages 1981-1988*, Catalogue no. 71-529, March 1989, pp. 8-15; >15 for 1990: Statistics Canada, *Labour Force Annual Averages 1990*, Catalogue no. 71-220, February 1991, Table 1; <15 and over 70: Statistics Canada, *CANSIM*, Matrix 6457.

"Projected" Domestic Intercity Travel By Age Group, Assuming 1988 Travel Propensities, 1991–2036

									Average annual growth rates (%)					
	1988	1991	1996	2001	2006	2016	2026	2036	1988–1991	1991–2001	2001–2016	2016–2036	1991–2016	1991–2036
I. Domestic intercity travel ('000s of person–trips)														
Projection 1														
Under 15	25,160	25,508	24,943	23,266	20,847	17,423	15,638	13,375	0.5	−0.9	−1.9	−1.3	−1.5	−1.4
15–24	18,676	17,825	17,469	17,711	17,930	15,438	12,653	11,518	−1.5	−0.1	−0.9	−1.5	−0.6	−1.0
25–34	29,467	29,811	27,771	25,378	24,884	25,488	22,130	18,409	0.4	−1.6	0.0	−1.6	−0.6	−1.1
35–44	24,368	26,637	28,866	29,720	27,704	24,855	25,443	22,156	3.0	1.1	−1.2	−0.6	−0.3	−0.4
45–54	15,914	17,476	21,653	25,106	27,243	26,192	23,517	24,083	3.2	3.7	0.3	−0.4	1.6	0.7
55–64	11,902	12,018	12,490	14,335	17,755	22,354	21,483	19,346	0.3	1.8	3.0	−0.7	2.5	1.1
65–69	4,140	4,415	4,601	4,680	5,017	7,654	9,007	7,848	2.2	0.6	3.3	0.1	2.2	1.3
70–74	2,133	2,302	2,680	2,811	2,874	3,777	5,124	5,433	2.6	2.0	2.0	1.8	2.0	1.9
75–79	1,078	1,206	1,351	1,585	1,673	1,859	2,822	3,316	3.8	2.8	1.1	2.9	1.7	2.3
80+	435	503	633	761	909	1,102	1,347	1,856	5.0	4.2	2.5	2.6	3.2	2.9
All ages	133,273	137,699	142,457	145,371	146,836	146,143	139,162	127,339	1.1	0.5	0.0	−0.7	0.2	−0.2
Projection 2														
Under 15	25,160	25,549	25,469	24,742	23,615	22,605	22,113	20,778	0.5	−0.3	−0.6	−0.4	−0.5	−0.5
15–24	18,676	17,825	17,469	17,711	17,970	16,849	15,787	15,690	−1.5	−0.1	−0.3	−0.4	−0.2	−0.3
25–34	29,467	29,811	27,771	25,378	24,877	25,513	23,969	22,531	0.4	−1.6	0.0	−0.6	−0.6	−0.6
35–44	24,368	26,637	28,866	29,718	27,698	24,821	25,408	23,874	3.0	1.1	−1.2	−0.2	−0.3	−0.2
45–54	15,914	17,476	21,652	25,105	27,240	26,173	23,457	24,006	3.2	3.7	0.3	−0.4	1.6	0.7
55–64	11,902	12,018	12,490	14,335	17,754	22,346	21,458	19,282	0.3	1.8	3.0	−0.7	2.5	1.1
65–69	4,140	4,415	4,600	4,679	5,016	7,651	8,999	7,829	2.2	0.6	3.3	0.1	2.2	1.3
70–74	2,133	2,302	2,680	2,810	2,874	3,775	5,119	5,422	2.6	2.0	2.0	1.8	2.0	1.9
75–79	1,078	1,206	1,351	1,585	1,672	1,858	2,819	3,310	3.8	2.8	1.1	2.9	1.7	2.3
80+	435	503	633	761	909	1,102	1,346	1,852	5.0	4.2	2.5	2.6	3.2	2.9
All ages	133,273	137,742	142,981	146,822	149,624	152,693	150,473	144,573	1.1	0.6	0.3	−0.3	0.4	0.1
Projection 3														
Under 15	25,160	25,585	25,779	25,410	24,671	24,286	24,280	23,471	0.6	−0.1	−0.3	−0.2	−0.2	−0.2
15–24	18,676	17,868	17,754	18,192	18,626	17,971	17,363	17,561	−1.5	0.2	−0.1	−0.1	0.0	−0.0
25–34	29,467	29,877	28,315	26,418	26,277	27,385	26,439	25,583	0.5	−1.2	0.2	−0.3	−0.3	−0.3
35–44	24,368	26,664	29,126	30,367	28,846	26,782	27,805	26,830	3.0	1.3	−0.8	0.0	0.0	0.0
45–54	15,914	17,492	21,777	25,380	27,746	27,502	25,537	26,481	3.2	3.8	0.5	−0.2	1.8	0.9
55–64	11,902	12,034	12,612	14,558	18,073	22,970	22,742	21,165	0.4	1.9	3.1	−0.4	2.6	1.3
65–69	4,140	4,420	4,643	4,768	5,148	7,857	9,345	8,460	2.2	0.8	3.4	0.4	2.3	1.5
70–74	2,133	2,304	2,698	2,854	2,946	3,896	5,296	5,734	2.6	2.2	2.1	2.0	2.1	2.0
75–79	1,078	1,207	1,359	1,603	1,705	1,924	2,913	3,457	3.8	2.9	1.2	3.0	1.9	2.4
80+	435	504	635	766	920	1,131	1,396	1,924	5.0	4.3	2.6	2.7	3.3	3.0
All ages	133,273	137,954	144,699	150,317	154,958	161,703	163,115	160,666	1.2	0.9	0.5	−0.0	0.6	0.3
Projection 4														
Under 15	25,160	25,585	25,937	26,048	26,253	28,911	30,771	31,601	0.6	0.2	0.7	0.4	0.5	0.5
15–24	18,676	17,868	17,754	18,194	18,629	18,610	19,949	21,738	−1.5	0.2	0.2	0.8	0.2	0.4
25–34	29,467	29,877	28,316	26,421	26,280	27,378	27,263	28,995	0.5	−1.2	0.2	0.3	−0.3	−0.1
35–44	24,368	26,664	29,126	30,369	28,851	26,778	27,765	27,575	3.0	1.3	−0.8	0.1	0.0	0.1
45–54	15,914	17,492	21,778	25,382	27,747	27,503	25,516	26,412	3.2	3.8	0.5	−0.2	1.8	0.9
55–64	11,902	12,034	12,612	14,558	18,073	22,969	22,736	21,137	0.4	1.9	3.1	−0.4	2.6	1.3
65–69	4,140	4,420	4,643	4,768	5,148	7,856	9,341	8,452	2.2	0.8	3.4	0.4	2.3	1.5
70–74	2,133	2,304	2,698	2,853	2,945	3,895	5,293	5,728	2.6	2.2	2.1	1.9	2.1	2.0
75–79	1,078	1,207	1,359	1,603	1,705	1,923	2,911	3,453	3.8	2.9	1.2	3.0	1.9	2.4
80+	435	504	635	766	920	1,131	1,395	1,923	5.0	4.3	2.6	2.7	3.3	3.0
All ages	133,273	137,954	144,669	150,963	156,551	166,954	172,942	177,015	1.2	0.9	0.7	0.3	0.8	0.6

II. Adjustment factors used to produce travel projections

	1986 popul. from LFS	1986 census popul.	Popul. adjust- ment factor	1988 travel propensity
Under 15	5,408	5,392	1.000	4.61
15–24	4,075	4,178	0.975	4.79
25–34	4,435	4,527	0.980	6.45
35–44	3,598	3,641	0.985	6.38
45–54	2,510	2,545	0.986	6.08
55–64	2,297	2,328	0.987	5.13
65–69	897	912	0.984	4.25
70–74	739	738	1.001	2.82
75–79	511	510	1.001	1.96
80+	346	537	0.645	1.17
All ages	24,806	25,309	0.980	5.26

Sources:

Travel: Statistics Canada, *Touriscope 1988: Domestic Travel*, Catalogue 67–504, October 1989, p. 53.

Population: ≥15 for 1988: Statistics Canada, *Labour Force Annual Averages 1961–1988*, Catalogue no. 71–529, March 1989, pp. 8–15; ≤15: Statistics Canada, *CANSIM*, Matrix 6457.

Projections: Statistics Canada, *Population Projections for Canada, Provinces and Territories 1989–2011*, Catalogue no. 91–520, March 1990.

Note: 1) Projected travel is derived by multiplying the travel propensities for each group in 1988 by the projected population figures. 2) Projected population data were also adjusted to the Labour Force Survey population by multiplying each projected population figure by the ratio of the 1986 LFS population to the 1986 census population for each age group over 15 years of age.

Domestic Intercity Travel by Age Groups and Primary Mode of Transportation, 1988

	Auto	Air	Bus	Rail	Other	All modes
I. Domestic intercity travel ('000s of person-trips)						
< 15	24,016	461	301	224	158	25,160
15-24	15,926	525	1,512	469	244	18,676
25-34	26,634	1,657	507	296	373	29,467
35-44	21,678	1,875	413	165	237	24,368
45-54	14,071	1,335	167	59	282	15,914
55-64	10,648	726	358	98	72	11,902
65-69	3,724	132	215	40	28	4,139
70-74	1,835	58	200	36	5	2,134
75-79	850	48	160	9	10	1,077
80+	332	33	43	26	1	435
70+	3,017	139	403	71	16	3,646
65+	6,741	271	617	112	45	7,786
> 15	95,698	6,389	3,574	1,199	1,253	108,113
All ages	119,714	6,850	3,875	1,423	1,411	133,273

I.1. Percentage distribution of total trips taken using each mode by age groups

< 15	20.1	6.7	7.8	15.7	11.2	18.9
15-24	13.3	7.7	39.0	33.0	17.3	14.0
25-34	22.2	24.2	13.1	20.8	26.4	22.1
35-44	18.1	27.4	10.7	11.6	16.8	18.3
45-54	11.8	19.5	4.3	4.1	20.0	11.9
55-64	8.9	10.6	9.2	6.9	5.1	8.9
65-69	3.1	1.9	5.5	2.8	2.0	3.1
70-74	1.5	0.8	5.2	2.5	0.4	1.6
75-79	0.7	0.7	4.1	0.6	0.7	0.8
80+	0.3	0.5	1.1	1.8	0.1	0.3
70+	2.5	2.0	10.4	5.0	1.1	2.7
65+	5.6	4.0	15.9	7.9	3.2	5.8
> 15	79.9	93.3	92.2	84.3	88.8	81.1
All ages	100.0	100.0	100.0	100.0	100.0	100.0

I.2. Percentage distribution of total trips taken by each age group by mode

< 15	95.5	1.8	1.2	0.9	0.6	100.0
15-24	85.3	2.8	8.1	2.5	1.3	100.0
25-34	90.4	5.6	1.7	1.0	1.3	100.0
35-44	89.0	7.7	1.7	0.7	1.0	100.0
45-54	88.4	8.4	1.0	0.4	1.8	100.0
55-64	89.5	6.1	3.0	0.8	0.6	100.0
65-69	90.0	3.2	5.2	1.0	0.7	100.0
70-74	86.0	2.7	9.4	1.7	0.2	100.0
75-79	78.9	4.5	14.9	0.8	0.9	100.0
80+	76.3	7.6	9.9	6.0	0.2	100.0
70+	82.7	3.8	11.1	1.9	0.4	100.0
65+	86.6	3.5	7.9	1.4	0.6	100.0
> 15	88.5	5.9	3.3	1.1	1.2	100.0
All ages	89.8	5.1	2.9	1.1	1.1	100.0

II. Number of trips per capita for each age group

< 15	4.40	0.08	0.06	0.04	0.03	4.61
15-24	4.09	0.13	0.39	0.12	0.06	4.79
25-34	5.83	0.36	0.11	0.06	0.08	6.45
35-44	5.66	0.49	0.11	0.04	0.06	6.36
45-54	5.37	0.51	0.06	0.02	0.11	6.08
55-64	4.59	0.31	0.15	0.04	0.03	5.13
65-69	3.83	0.14	0.22	0.04	0.03	4.25
70-74	2.43	0.08	0.26	0.05	0.01	2.82
75-79	1.54	0.09	0.29	0.02	0.02	1.96
80+	0.89	0.09	0.12	0.07	0.00	1.17
70+	1.80	0.08	0.24	0.04	0.01	2.17
65+	2.54	0.10	0.23	0.04	0.02	2.93
> 15	4.81	0.32	0.18	0.06	0.06	5.44
All ages	4.72	0.27	0.15	0.06	0.06	5.26

Source: Unpublished data from the Canadian Travel Survey.

Domestic Intercity Travel by Age Groups and One-Way Length of Trip, 1988

	80- 159 km	160- 319 km	320- 799 km	800- 1,599 km	1600- 3,199 km	3,200 km or more	Not stated	Total
I. Domestic intercity travel ('000s of person-trips)								
< 15	12,030	7,528	3,967	786	249	168	432	25,160
15-24	7,918	5,792	3,609	625	276	86	371	18,677
25-34	13,427	8,707	5,029	1,134	402	258	510	29,467
35-44	10,678	7,065	4,341	1,090	362	267	565	24,368
45-54	6,743	4,851	2,852	691	289	201	287	15,914
55-64	5,749	3,296	1,906	386	245	132	188	11,902
65-69	2,220	1,003	589	104	62	73	89	4,140
70-74	1,263	380	320	89	36	16	31	2,135
75-79	460	337	131	45	45	18	43	1,079
80+	213	112	70	25	8	2	5	435
70+	1,936	829	521	159	89	36	79	3,649
65+	4,155	1,832	1,109	262	150	108	168	7,784
> 15	48,670	31,543	18,846	4,188	1,724	1,052	2,089	108,112
All ages	60,700	39,071	22,813	4,974	1,973	1,220	2,521	133,272

I.1. Percentage distribution of total travel by each trip length by age groups

< 15	19.8	19.3	17.4	15.8	12.6	13.8	17.1	18.9
15-24	13.0	14.8	15.8	12.6	14.0	7.0	14.7	14.0
25-34	22.1	22.3	22.0	22.8	20.4	21.1	20.2	22.1
35-44	17.6	18.1	19.0	21.9	18.3	21.9	22.4	18.3
45-54	11.1	12.4	12.5	13.9	14.6	16.5	11.4	11.9
55-64	9.5	8.4	8.4	7.8	12.4	10.8	7.5	8.9
65-69	3.7	2.6	2.6	2.1	3.1	6.0	3.5	3.1
70-74	2.1	1.0	1.4	1.8	1.8	1.3	1.2	1.6
75-79	0.8	0.9	0.6	0.9	2.3	1.5	1.7	0.8
80+	0.4	0.3	0.3	0.5	0.4	0.2	0.2	0.3
70+	3.2	2.1	2.3	3.2	4.5	3.0	3.1	2.7
65+	6.8	4.7	4.9	5.3	7.6	8.9	6.7	5.8
> 15	80.2	80.7	82.6	84.2	87.4	86.2	82.9	81.1
All ages	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

I.2. Percentage distribution of total trips taken by each age group by one-way trip length

< 15	47.8	29.9	15.8	3.1	1.0	0.7	1.7	100.0
15-24	42.4	31.0	19.3	3.3	1.5	0.5	2.0	100.0
25-34	45.6	29.5	17.1	3.8	1.4	0.9	1.7	100.0
35-44	43.8	29.0	17.8	4.5	1.5	1.1	2.3	100.0
45-54	42.4	30.5	17.9	4.3	1.8	1.3	1.8	100.0
55-64	48.3	27.7	16.0	3.2	2.1	1.1	1.6	100.0
65-69	53.6	24.2	14.2	2.5	1.5	1.8	2.1	100.0
70-74	59.2	17.8	15.0	4.2	1.7	0.7	1.5	100.0
75-79	42.6	31.2	12.1	4.2	4.2	1.7	4.0	100.0
80+	49.0	25.7	16.1	5.7	1.8	0.5	1.1	100.0
70+	53.1	22.7	14.3	4.4	2.4	1.0	2.2	100.0
65+	53.4	23.5	14.2	3.4	1.9	1.4	2.2	100.0
> 15	45.0	29.2	17.4	3.9	1.6	1.0	1.9	100.0
All ages	45.5	29.3	17.1	3.7	1.5	0.9	1.9	100.0

II. Number of trips per capita for each age group

< 15	2.21	1.38	0.73	0.14	0.05	0.03	0.08	4.61
15-24	2.03	1.49	0.93	0.16	0.07	0.02	0.10	4.79
25-34	2.94	1.91	1.10	0.25	0.09	0.06	0.11	6.45
35-44	2.79	1.84	1.13	0.28	0.09	0.07	0.15	6.36
45-54	2.57	1.85	1.09	0.26	0.11	0.08	0.11	6.08
55-64	2.48	1.42	0.82	0.17	0.11	0.06	0.08	5.13
65-69	2.28	1.03	0.61	0.11	0.06	0.08	0.09	4.25
70-74	1.67	0.50	0.42	0.12	0.05	0.02	0.04	2.82
75-79	0.84	0.61	0.24	0.08	0.08	0.03	0.08	1.96
80+	0.57	0.30	0.19	0.07	0.02	0.01	0.01	1.17
70+	1.15	0.49	0.31	0.09	0.05	0.02	0.05	2.17
65+	1.57	0.69	0.42	0.10	0.06	0.04	0.06	2.93
> 15	2.45	1.59	0.95	0.21	0.09	0.05	0.11	5.44
All ages	2.39	1.54	0.90	0.20	0.08	0.05	0.10	5.26

Source: Unpublished data from the Canadian Travel Survey.

Domestic Intercity Travel by Age Groups and Main Purpose of Trip, 1988

	Visiting friends/ relatives	Pleasure	Business	Personal	Not stated	Total
I. Domestic intercity travel ('000s of person-trips)						
< 15	11,205	9,965	1,497	2,436	57	25,160
15-24	7,260	8,369	1,487	1,490	70	18,676
25-34	10,784	10,314	5,830	2,480	60	29,468
35-44	6,345	8,683	7,190	2,112	37	24,367
45-54	4,683	5,669	4,010	1,532	19	15,913
55-64	4,246	4,118	2,213	1,315	10	11,902
65-69	1,858	1,274	279	711	17	4,139
70-74	884	968	60	221	1	2,134
75-79	488	400	14	175	-	1,077
80+	247	131	3	53	1	435
70+	1,619	1,499	77	449	2	3,646
65+	3,478	2,773	356	1,160	19	7,786
> 15	36,796	39,926	21,086	10,089	215	108,112
All ages	48,001	49,891	22,583	12,525	272	133,272

I.1. Percentage distribution of total travel for each trip purpose by age groups

< 15	23.3	20.0	6.6	19.4	21.0	18.9
15-24	15.1	16.8	6.6	11.9	25.7	14.0
25-34	22.5	20.7	25.8	19.8	22.1	22.1
35-44	13.2	17.4	31.8	16.9	13.6	18.3
45-54	9.8	11.4	17.8	12.2	7.0	11.9
55-64	8.8	8.3	9.8	10.5	3.7	8.9
65-69	3.9	2.6	1.2	5.7	6.3	3.1
70-74	1.8	1.9	0.3	1.8	0.4	1.6
75-79	1.0	0.8	0.1	1.4	-	0.8
80+	0.5	0.3	0.0	0.4	0.4	0.3
70+	3.4	3.0	0.3	3.6	0.7	2.7
65+	7.2	5.6	1.6	9.3	7.0	5.8
> 15	76.7	80.0	93.4	80.6	79.0	81.1
All ages	100.0	100.0	100.0	100.0	100.0	100.0

I.2. Percentage distribution of total trips taken by each age group by purpose

< 15	44.5	39.6	5.9	9.7	0.2	100.0
15-24	38.9	44.8	8.0	8.0	0.4	100.0
25-34	36.6	35.0	19.8	8.4	0.2	100.0
35-44	26.0	35.6	29.5	8.7	0.2	100.0
45-54	29.4	35.6	25.2	9.6	0.1	100.0
55-64	35.7	34.6	18.6	11.0	0.1	100.0
65-69	44.9	30.8	6.7	17.2	0.4	100.0
70-74	41.4	45.4	2.8	10.4	0.0	100.0
75-79	45.3	37.1	1.3	16.2	-	100.0
80+	56.8	30.1	0.7	12.2	0.2	100.0
70+	44.4	41.1	2.1	12.3	0.1	100.0
65+	44.7	35.6	4.6	14.9	0.2	100.0
> 15	34.0	36.9	19.5	9.3	0.2	100.0
All ages	36.0	37.4	16.9	9.4	0.2	100.0

II. Number of trips per capita for each age group

< 15	2.05	1.83	0.27	0.45	0.01	4.61
15-24	1.86	2.15	0.38	0.38	0.02	4.79
25-34	2.36	2.26	1.28	0.54	0.01	6.45
35-44	1.66	2.27	1.88	0.55	0.01	6.36
45-54	1.79	2.16	1.53	0.58	0.01	6.08
55-64	1.83	1.78	0.95	0.57	0.00	5.13
65-69	1.91	1.31	0.29	0.73	0.02	4.25
70-74	1.17	1.28	0.08	0.29	0.00	2.82
75-79	0.89	0.73	0.03	0.32	-	1.96
80+	0.66	0.35	0.01	0.14	0.00	1.17
70+	0.96	0.89	0.05	0.27	0.00	2.17
65+	1.31	1.04	0.13	0.44	0.01	2.93
> 15	1.85	2.01	1.06	0.51	0.01	5.44
All ages	1.89	1.97	0.89	0.49	0.01	5.26

Source: Unpublished data from the Canadian Travel Survey.

Domestic Intercity Travel by Gender, 1980-1990

	1980	1982	1984	1986	1988	1990	AAGR (%)	
							1980–1990	1988–1990
I. Domestic intercity travel ('000s of person–trips)								
Male	48,036	43,949	41,940	53,225	58,626	59,598	2.2	0.8
Female	40,390	39,253	36,303	43,607	49,485	49,996	2.2	0.5
Under 15	22,570	18,440	18,549	19,858	25,160	24,237	0.7	–1.9
M/F total	88,426	83,202	78,243	96,832	108,111	109,594	2.2	0.7
All ages	110,996	101,642	96,792	116,690	133,271	133,831	1.9	0.2

I.1. Percentage distribution of total travel

Male	43.3	43.2	43.3	45.6	44.0	44.5
Female	36.4	38.6	37.5	37.4	37.1	37.4
Under 15	20.3	18.1	19.2	17.0	18.9	18.1
M/F total	79.7	81.9	80.8	83.0	81.1	81.9
All ages	100.0	100.0	100.0	100.0	100.0	100.0
Male	54.3	52.8	53.6	55.0	54.2	54.4
Female	45.7	47.2	46.4	45.0	45.8	45.6
M/F total	100.0	100.0	100.0	100.0	100.0	100.0

II. Estimates of population ('000s)

Male	8,847	9,103	9,273	9,452	9,692	9,958	1.2	1.4
Female	9,206	9,505	9,723	9,945	10,197	10,472	1.3	1.3
Under 15	5,524	5,470	5,456	5,408	5,454	5,560	0.1	1.0
M/F total	18,053	18,608	18,996	19,397	19,889	20,430	1.2	1.4
All ages	23,577	24,078	24,452	24,805	25,343	25,990	1.0	1.3

II.1. Percentage distribution of total population

Male	37.5	37.8	37.9	38.1	38.2	38.3
Female	39.0	39.5	39.8	40.1	40.2	40.3
Under 15	23.4	22.7	22.3	21.8	21.5	21.4
M/F total	76.6	77.3	77.7	78.2	78.5	78.6
All ages	100.0	100.0	100.0	100.0	100.0	100.0

III. Travel propensities (number of trips per person in each gender)

Male	5.43	4.83	4.52	5.63	6.05	5.98	1.0	-0.5
Female	4.39	4.13	3.73	4.38	4.85	4.77	0.8	-0.8
Under 15	4.09	3.37	3.40	3.67	4.61	4.36	0.6	-2.8
M/F total	4.90	4.47	4.12	4.99	5.44	5.36	0.9	-0.7
All ages	4.71	4.22	3.96	4.70	5.26	5.15	0.9	-1.0

Sources:

Travel: Statistics Canada, *Touriscope: Domestic Travel 1990*, Catalogue 87-504, October 1991, p. 31.

Population: ≥ 15 for 1980: Statistics Canada, *Labour Force Annual Averages 1975-1983*, Catalogue no. 71-529, February 1984, p. 14; ≥ 15 for 1982-1988: Statistics Canada, *Labour Force Annual Averages 1981-1988*, Catalogue no. 71-529, March 1989, pp. 8-15; ≥ 15 for 1990: Statistics Canada, *Labour Force Annual Averages 1990*, Catalogue no. 71-220, February 1991, p. B-2; < 15 : Statistics Canada, *CANSIM*, Matrix 6457.

Domestic Intercity Travel by Gender and Main Purpose of Trip, 1988

	Visiting friends/ relatives	Pleasure	Business	Personal	Not stated	Total
I. Domestic intercity travel ('000s of person-trips)						
Male	16,775	20,239	16,475	5,137	—	58,626
Female	20,019	19,688	4,612	5,167	—	49,486
Under 15	11,205	9,964	1,498	2,221	273	25,161
M/F total	36,794	39,927	21,087	10,304	—	108,112
All ages	47,999	49,891	22,585	12,525	273	133,273

I.1. Percentage distribution of travel for each trip purpose by gender

Male	34.9	40.6	72.9	41.0	—	44.0
Female	41.7	39.5	20.4	41.3	—	37.1
Under 15	23.3	20.0	6.6	17.7	100.0	18.9
M/F total	76.7	80.0	93.4	82.3	—	81.1
All ages	100.0	100.0	100.0	100.0	100.0	100.0

Male	45.6	50.7	78.1	49.9	—	54.2
Female	54.4	49.3	21.9	50.1	—	45.8
M/F total	100.0	100.0	100.0	100.0	—	100.0

I.2. Percentage distribution of each gender's travel by trip purpose

Male	28.6	34.5	28.1	8.8	—	100.0
Female	40.5	39.8	9.3	10.4	—	100.0
Under 15	44.5	39.6	6.0	8.8	1.1	100.0
M/F total	34.0	36.9	19.5	9.5	—	100.0
All ages	36.0	37.4	16.9	9.4	0.2	100.0

Sources:

Male/Female: Unpublished data from the Canadian Travel Survey.

Under 15: A residual based on the above source and Statistics Canada, *Touriscope 1988: Domestic Travel*, Catalogue no. 87-504, October 1989, Table 1, p. 45.

Domestic Intercity Travel by Educational Attainment, 1980-1990

	1980	1982	1984	1986	1988	1990	AAGR (%)	
							1980-1989	1988-1990
I. Domestic intercity travel ('000s of person-trips)								
0-8 years	10,914	9,621	7,955	8,371	8,530	8,077	-3.0	-2.7
High school	44,680	39,149	34,808	41,767	46,773	39,099	-1.3	-8.6
Some post-secondary	8,260	8,477	8,956	10,962	12,398	10,137	2.1	-9.6
Post-secondary certificate	12,174	11,432	13,047	16,375	18,586	31,685	10.0	30.6
University degree	12,401	14,523	13,477	19,358	21,825	20,595	5.2	-2.9
Total (>15)*	88,429	83,202	78,243	96,833	108,112	109,593	2.2	0.7
< 15	22,570	18,440	18,549	19,858	25,160	24,237	0.7	-1.9
All ages	110,999	101,642	96,792	116,691	133,272	133,830	1.9	0.2

*Educational attainment data apply only to persons over the age of 15.

I.1. Percentage distribution of total travel

0-8 years	12.3	11.6	10.2	8.6	7.9	7.4
High school	50.5	47.1	44.5	43.1	43.3	35.7
Some post-secondary	9.3	10.2	11.4	11.3	11.5	9.2
Post-secondary certificate	13.8	13.7	16.7	16.9	17.2	28.9
University degree	14.0	17.5	17.2	20.0	20.2	18.8
Total (>15)	100.0	100.0	100.0	100.0	100.0	100.0

II. Estimates of working age population (all persons over 15 years of age, '000s)

0-8 years	4,131	4,016	3,852	3,629	3,472	3,038	-3.0	-6.5
High school	9,380	9,490	9,468	9,607	9,625	8,925	-0.5	-3.7
Some post-secondary	1,351	1,527	1,693	1,794	1,884	1,809	3.0	-2.0
Post-secondary certificate	1,720	1,930	2,127	2,332	2,572	4,447	10.0	31.5
University degree	1,471	1,644	1,855	2,035	2,338	2,210	4.2	-2.8
Total (>15)	18,053	18,607	18,995	19,397	19,891	20,429	1.2	1.3

II.1. Percentage distribution of working age population

0-8 years	22.9	21.6	20.3	18.7	17.5	14.9
High school	52.0	51.0	49.8	49.5	48.4	43.7
Some post-secondary	7.5	8.2	8.9	9.2	9.5	8.9
Post-secondary certificate	9.5	10.4	11.2	12.0	12.9	21.8
University degree	8.1	8.8	9.8	10.5	11.8	10.8
Total (>15)	100.0	100.0	100.0	100.0	100.0	100.0

III. Travel propensities (number of trips person for each level of educational attainment)

0-8 years	2.64	2.40	2.07	2.31	2.46	2.66	0.1	4.0
High school	4.76	4.13	3.68	4.35	4.86	4.38	-0.8	-5.1
Some post-secondary	6.11	5.55	5.29	6.11	6.58	5.60	-0.9	-7.7
Post-secondary certificate	7.08	5.92	6.13	7.02	7.23	7.13	0.1	-0.7
University degree	8.43	8.83	7.27	9.51	9.33	9.32	1.0	-0.1
Total (>15)	4.90	4.47	4.12	4.99	5.44	5.36	0.9	-0.7

Sources:

Travel: Statistics Canada, *Touriscope: Domestic Travel 1990*, Catalogue 87-504, October 1991, p. 31.

Population: >15 for 1980: Statistics Canada, *Labour Force Annual Averages 1975-1983*, Catalogue no. 71-529, February 1984, p. 100; >15 for 1982-1988: Statistics Canada, *Labour Force Annual Averages 1981-1988*, Catalogue no. 71-529, March 1989, pp. 82-94; >15 for 1990: Statistics Canada, *Labour Force Annual Averages 1990*, Catalogue no. 71-220, February 1991, p. B-11; <15: Statistics Canada, *CANSIM*, Matrix 6457.

Note: The educational attainment questions in the Labour Force Survey were revised in 1990. As a result, data are not strictly comparable over time.

Domestic Intercity Travel by Occupation, 1980-1990

							AAGR (%)	
	1980	1982	1984	1986	1988	1990	1980 – 1990	1988 – 1990
I. Domestic intercity travel ('000s of person–trips)								
Managerial/professional	22,930	23,790	25,171	32,888	36,185	37,969	5.2	2.4
Clerical/sales/service	31,345	27,975	25,701	30,397	34,835	33,946	0.8	–1.3
Primary (e.g. farming)	5,457	4,332	4,077	4,981	5,096	6,044	1.0	8.9
Manuf./constr./transp.	16,609	16,069	13,977	17,023	19,694	19,500	1.6	–0.5
Total labour force	76,341	72,166	68,926	85,289	95,810	97,459	2.5	0.9
Not in labour force	12,086	11,036	9,316	11,540	12,302	12,134	0.0	–0.7
Over 15	88,427	83,202	78,242	96,829	108,112	109,593	2.2	0.7
Under 15	22,570	18,440	18,549	19,858	25,160	24,237	0.7	–1.9
Grand total	110,997	101,642	96,791	116,687	133,272	133,830	1.9	0.2

I.1. Percentage distribution of total travel

Managerial/professional	20.7	23.4	26.0	28.2	27.2	28.4		
Clerical/sales/service	28.2	27.5	26.6	26.1	26.1	25.4		
Primary (e.g. farming)	4.9	4.3	4.2	4.3	3.8	4.5		
Manuf./constr./transp.	15.0	15.8	14.4	14.6	14.8	14.6		
Total labour force	68.8	71.0	71.2	73.1	71.9	72.8		
Not in labour force	10.9	10.9	9.6	9.9	9.2	9.1		
Over 15	79.7	81.9	80.8	83.0	81.1	81.9		
Under 15	20.3	18.1	19.2	17.0	18.9	18.1		
Grand total	100.0	100.0	100.0	100.0	100.0	100.0		

II. Estimates of population in each occupation ('000s of persons)

Managerial/professional	2,539	2,749	3,141	3,455	3,739	3,946	4.5	2.7
Clerical/sales/service	4,748	4,965	4,936	5,064	5,249	5,397	1.3	1.4
Primary (e.g. farming)	731	707	743	698	680	659	-1.0	-1.6
Manuf./constr./transp.	3,556	3,505	3,496	3,529	3,608	3,679	0.3	1.0
Total labour force	11,574	11,926	12,316	12,746	13,276	13,681	1.7	1.5
Not in labour force	6,480	6,682	6,680	6,650	6,615	6,749	0.4	1.0
Over 15	18,054	18,608	18,996	19,396	19,891	20,430	1.2	1.3
Under 15	5,524	5,470	5,456	5,408	5,454	5,560	0.1	1.0
Grand total	23,578	24,078	24,452	24,804	25,345	25,990	1.0	1.3

II.1. Percentage distribution of total population

Managerial/professional	10.8	11.4	12.8	13.9	14.8	15.2		
Clerical/sales/service	20.1	20.6	20.2	20.4	20.7	20.8		
Primary (e.g. farming)	3.1	2.9	3.0	2.8	2.7	2.5		
Manuf./constr./transp.	15.1	14.6	14.3	14.2	14.2	14.2		
Total labour force	49.1	49.5	50.4	51.4	52.4	52.6		
Not in labour force	27.5	27.8	27.3	26.8	26.1	26.0		
Over 15	76.6	77.3	77.7	78.2	78.5	78.6		
Under 15	23.4	22.7	22.3	21.8	21.5	21.4		
Grand total	100.0	100.0	100.0	100.0	100.0	100.0		

III. Travel propensities (number of trips per person in each occupation)

Managerial/professional	9.03	8.65	8.01	9.52	9.68	9.62	0.6	-0.3
Clerical/sales/service	6.60	5.63	5.21	6.00	6.64	6.29	-0.5	-2.6
Primary (e.g. farming)	7.47	6.13	5.49	7.14	7.49	9.17	2.1	10.6
Manuf./constr./transp.	4.67	4.58	4.00	4.82	5.46	5.30	1.3	-1.5
Total labour force	6.60	6.05	5.60	6.69	7.22	7.12	0.8	-0.6
Not in labour force	1.87	1.65	1.39	1.74	1.86	1.80	-0.4	-1.7
Over 15	4.90	4.47	4.12	4.99	5.44	5.36	0.9	-0.7
Under 15	4.09	3.37	3.40	3.67	4.61	4.36	0.6	-2.8
Grand total	4.71	4.22	3.96	4.70	5.26	5.15	0.9	-1.0

Sources:

Travel: Statistics Canada, *Touriscope: Domestic Travel 1990*, Catalogue 87-504, October 1991, p. 31.

Population: ≥ 15 for 1980: Statistics Canada, *Labour Force Annual Averages 1975-1983*, Catalogue no. 71-529, February 1984, p. 185; ≥ 15 for 1982-1988: Statistics Canada, *Labour Force Annual Averages 1981-1988*, Catalogue no. 71-529, March 1989, pp. 177-183; ≥ 15 for 1990: Statistics Canada, *Labour Force Annual Averages 1990*, Catalogue no. 71-220, February 1991, p. B-39; ≤ 15 : Statistics Canada, *CANSIM*, Matrix 6457.

The Incidence of Domestic and International Intercity Overnight Non-Business Travel,
by Selected Demographic Characteristics, 1988

Age group	Destinations			Total
	Domestic	United States	Other countries	
15-24	66.0	20.7	5.4	71.3
25-34	67.7	20.0	7.8	72.8
35-44	70.6	28.7	9.1	78.7
45-54	61.1	29.0	10.6	71.1
55-64	62.8	22.2	12.2	70.6
65+	50.7	14.9	8.3	57.1
Gender				
Male	63.8	22.2	8.6	69.9
Female	64.6	23.0	8.7	72.2
Household income groups				
< \$10,000	47.5	9.6	1.6	51.7
\$10,000-\$19,999	56.0	13.6	2.5	60.0
\$20,000-\$29,999	65.0	17.3	6.0	70.8
\$30,000-\$39,999	69.7	22.3	5.3	76.0
\$40,000-\$49,999	71.4	30.6	13.4	82.7
\$50,000-\$59,999	80.4	35.5	13.1	87.5
\$60,000-\$69,999	77.0	42.3	14.6	85.9
\$70,000+	80.1	41.9	23.6	90.0
Province of origin				
Newfoundland	60.5	4.7	2.4	61.9
P.E.I.	57.7	10.3	3.1	61.9
Nova Scotia	66.8	14.4	1.9	69.9
New Brunswick	63.4	21.3	2.2	67.6
Quebec	57.1	18.5	7.4	64.2
Ontario	63.3	25.7	12.6	71.7
Manitoba	68.0	30.8	6.4	75.7
Saskatchewan	81.2	14.9	3.7	82.9
Alberta	77.2	20.9	6.6	80.7
B.C.	66.8	29.4	7.5	74.8
Canada	64.2	22.6	8.7	71.1

Source: Unpublished data from the Canadian Travel Survey.

Note: The incidence of travel is the percentage of the population aged 15 years and over which took at least one overnight non-business trip during the year.

**Reported Expenditures on Domestic Intercity Travel, By Mode, Distance,
and Purpose, 1986 and 1988**

	1986	1986 Share	1988	1988 Share	1986-1988 Average annual growth rate (%)
I. Expenditures on domestic intercity travel (\$ millions)					
Mode					
Auto	6,908	63.9%	8,632	64.3%	11.8
Plane	3,131	29.0%	4,003	29.8%	13.1
Bus	399	3.7%	413	3.1%	1.7
Rail	226	2.1%	251	1.9%	5.4
Other	140	1.3%	116	0.9%	-9.0
Not stated	10	0.1%	6	0.0%	-22.5
Total	10,814	100.0%	13,421	100.0%	11.4
One-way distance					
80 - 159 km	1,819	16.8%	2,409	17.9%	15.1
160 - 319 km	2,268	21.0%	2,686	20.0%	8.8
320 - 799 km	2,869	26.5%	3,786	28.2%	14.9
800 - 1,599 km	1,540	14.2%	1,976	14.7%	13.3
1,600-3,199 km	957	8.8%	1,160	8.6%	10.1
3,200 km or more	1,190	11.0%	1,126	8.4%	-2.7
Not stated	171	1.6%	278	2.1%	27.5
Total	10,814	100.0%	13,421	100.0%	11.4
Purpose					
Visiting friends/relatives	2,382	22.0%	3,098	23.1%	14.0
Pleasure	4,093	37.8%	4,472	33.3%	4.5
Business	3,568	33.0%	4,973	37.1%	18.1
Personal	761	7.0%	869	6.5%	6.9
Not stated	10	0.1%	9	0.1%	-5.1
Total	10,814	100.0%	13,421	100.0%	11.4

II. Average amount spent per person-trip (\$)

	1986	1988
Mode		
Auto	\$66.7	\$72.1
Plane	\$499.9	\$584.5
Bus	\$99.7	\$106.6
Rail	\$178.4	\$176.4
Other	\$115.1	\$99.1
Not stated	\$23.9	\$25.1
Total	\$92.7	\$100.7

One-way distance

80 - 159 km	\$34.9	\$39.7
160 - 319 km	\$64.1	\$68.7
320 - 799 km	\$150.3	\$166.0
800 - 1,599 km	\$302.9	\$397.3
1,600-3,199 km	\$543.8	\$587.6
3,200 km or more	\$884.1	\$923.0
Not stated	\$88.6	\$110.3
Total	\$92.7	\$100.7

Purpose

Visiting friends/relatives	\$57.7	\$64.5
Pleasure	\$92.8	\$89.6
Business	\$179.9	\$220.2
Personal	\$67.8	\$69.4
Not stated	\$40.3	\$33.0
Total	\$92.7	\$100.7

Source: Statistics Canada, *Touriscope 1988: Domestic Travel*, Catalogue no. 87-504, October 1989, p. 45 and 87.

Note: Data refer to total expenditures and not just the transportation portion of a trip.

Reported Expenditures on Domestic Intercity Travel, by Item of Spending, 1986 and 1988.

	Millions of dollars		AA % change	Shares	
	1986	1988		1986	1988
I. Expenditures on all travel					
Prepaid	295	440	22.1	2.7%	3.3%
Transportation	1,877	2,096	5.7	17.4%	15.6%
Accommodation	711	753	2.9	6.6%	5.6%
Food and beverages	1,131	1,347	9.1	10.5%	10.0%
Recreation/entertainment	333	424	12.8	3.1%	3.2%
Other	455	485	3.2	4.2%	3.6%
Not stated	6,012	7,877	14.5	55.6%	58.7%
Total	10,814	13,422	11.4	100.0%	100.0%
II. Expenditures on overnight travel					
Prepaid	267	385	20.1	2.9%	3.4%
Transportation	1,524	1,639	3.7	16.3%	14.4%
Accommodation	707	751	3.1	7.6%	6.6%
Food and beverages	962	1,126	8.2	10.3%	9.9%
Recreation/entertainment	302	375	11.4	3.2%	3.3%
Other	303	323	3.2	3.2%	2.8%
Not stated	5,289	6,813	13.5	56.5%	59.7%
Total	9,354	11,412	10.5	100.0%	100.0%

Source: Statistics Canada, *Touriscope 1988: Domestic Travel*, Catalogue no. 87-504, October 1989, Table 45, p. 90.

Notes:

Prepaid packages include two or more spending items paid for in advance of the trip. These items may be a combination of transportation and accommodation or accommodation with food and beverages, etc. In any case, the cost of the components are not identified separately.

Reported expenditures refer to the amount the respondent reports for all spending by members of the household during the trip. For-business travel expenses paid by the company or employer are included.

The totals include money spent on side-trips to the United States when final destination was in Canada.

Reallocated Expenditures on Domestic Intercity Travel—Related Items, 1986–1990

	Millions of dollars			AA % change 1988-90	Shares		
	1986	1988	1990		1986	1988	1990
I. Total domestic intercity travel							
Public transportation	2,233	2,765	2,914	2.7	20.7%	20.7%	20.7%
Private transportation	2,170	2,636	2,739	1.9	20.1%	19.7%	19.4%
Accommodation	1,716	2,081	2,335	5.9	15.9%	15.6%	16.6%
Food and beverages	2,512	3,232	3,228	-0.1	23.3%	24.2%	22.9%
Recreation/entertainment	817	1,029	954	-3.7	7.6%	7.7%	6.8%
Other	1,325	1,633	1,934	8.8	12.3%	12.2%	13.7%
Total	10,773	13,376	14,104	2.7	100.0%	100.0%	100.0%
II. Domestic overnight intercity travel							
Public transportation	2,056	2,499	2,636	2.7	22.1%	22.0%	22.2%
Private transportation	1,695	1,968	1,981	0.3	18.2%	17.3%	16.7%
Accommodation	1,711	2,077	2,330	5.9	18.4%	18.3%	19.6%
Food and beverages	2,184	2,763	2,743	-0.4	23.5%	24.3%	23.1%
Recreation/entertainment	756	930	859	-3.9	8.1%	8.2%	7.2%
Other	911	1,131	1,321	8.1	9.8%	9.9%	11.1%
Total	9,313	11,368	11,870	2.2	100.0%	100.0%	100.0%

Sources: 1986: Statistics Canada, *Touriscope 1988: Domestic Travel*, Catalogue no. 87–504, October 1989, Table 48, p. 92; 1988 and 1990: Statistics Canada, *Touriscope: Domestic Travel 1990*, Catalogue no. 87–504, October 1991, Table 23, p. 48.

Notes:

Reallocated expenditures refers to the redistribution of expenditures reported in the "prepaid packages" category and of expenditures for which no breakdown was provided by the respondent.

Expenditure totals exclude money spent on side—trips to the United States when final destination was in Canada. As a result, totals are slightly lower than the totals in the previous table.

Reallocated Expenditures on Domestic Intercity Travel, by Mode and Purpose, 1986-1990

Millions of dollars

	Business	Visiting friends/ relatives	Pleasure	Personal	Not stated	Total
1986						
Auto	1,666	1,619	3,064	522	5	6,876
Plane	1,766	542	648	168	1	3,125
Bus	39	129	193	35	2	398
Rail	66	71	62	27	—	226
Other	26	18	90	5	—	139
Not stated	2	—	2	3	2	9
Total	3,565	2,379	4,059	760	10	10,773

1988						
Auto	2,095	2,093	3,734	669	6	8,597
Plane	2,737	725	397	133	3	3,995
Bus	62	155	157	39	—	413
Rail	47	92	86	25	1	251
Other	26	17	70	2	—	115
Not stated	—	2	3	1	—	6
Total	4,967	3,084	4,447	869	10	13,377

1990						
Auto	2,339	2,207	3,804	727	9	9,086
Plane	2,942	738	387	165	3	4,235
Bus	59	154	228	47	—	488
Rail	79	41	33	11	—	164
Other	20	20	76	7	—	123
Not stated	2	1	2	—	2	7
Total	5,441	3,161	4,530	957	14	14,103

Sources: 1986: Statistics Canada, *Touriscope 1988: Domestic Travel*, Catalogue no. 87-504, October 1989, Table 50, p. 93.

1988 and 1990: Statistics Canada, *Touriscope: Domestic Travel 1990*, Catalogue 87-504, October 1991, Table 24, p. 49.

Notes:

Expenditure totals exclude money spent on side-trips to the United States when final destination was in Canada.

Totals may not add owing to rounding and sampling variability.

Boldface type denotes that data have a high sampling variability and thus are to be used with caution.

B-1.1

Domestic and International Intercity Travel by Age Group, 1980, 1986, 1988, and 1990

	To U.S.	Other inter- national	Total inter- national	Total domestic	Total travel
1990					
I.1. Domestic and international travel ('000s of person-trips)					
< 15	2,297	192	2,489	24,237	26,726
15-24	1,844	365	2,209	16,809	19,018
25-34	2,764	597	3,361	28,194	31,555
35-44	3,091	491	3,582	26,478	30,060
45-54	2,166	441	2,607	18,295	20,902
55-64	1,818	313	2,131	11,163	13,294
65-69	552	142	694	4,393	5,087
70+	686	89	775	4,261	5,036
All ages	15,218	2,630	17,848	133,830	151,678

I.1a. Percentage distribution of travel for each trip destination by age group

< 15	15.1	7.3	13.9	18.1	17.6
15-24	12.1	13.9	12.4	12.6	12.5
25-34	18.2	22.7	18.8	21.1	20.8
35-44	20.3	18.7	20.1	19.8	19.8
45-54	14.2	16.8	14.6	13.7	13.8
55-64	11.9	11.9	11.9	8.3	8.8
65-69	3.6	5.4	3.9	3.3	3.4
70+	4.5	3.4	4.3	3.2	3.3
All ages	100.0	100.0	100.0	100.0	100.0

I.1b. Percentage distribution of total travel by destination

< 15	8.6	0.7	9.3	90.7	100.0
15-24	9.7	1.9	11.6	88.4	100.0
25-34	8.8	1.9	10.7	89.3	100.0
35-44	10.3	1.6	11.9	88.1	100.0
45-54	10.4	2.1	12.5	87.5	100.0
55-64	13.7	2.4	16.0	84.0	100.0
65-69	10.9	2.8	13.6	86.4	100.0
70+	13.6	1.8	15.4	84.6	100.0
All ages	10.0	1.7	11.8	88.2	100.0

I.2. Travel propensities (number of trips per person for each age group)

< 15	0.41	0.03	0.45	4.36	4.81
15-24	0.49	0.10	0.59	4.48	5.07
25-34	0.60	0.13	0.72	6.07	6.79
35-44	0.75	0.12	0.87	6.45	7.32
45-54	0.78	0.16	0.93	6.56	7.49
55-64	0.78	0.13	0.92	4.80	5.71
65-69	0.54	0.14	0.68	4.29	4.97
70+	0.38	0.05	0.43	2.38	2.82
All ages	0.59	0.10	0.69	5.15	5.84

Sources:

Travel: Unpublished data from the Canadian Travel Survey.**Population:** > 15: Statistics Canada, *Labour Force Annual Averages 1990*, Catalogue no. 71-220, February 1991, Table 1; <15: Statistics Canada, *CANSIM*, Matrix 6457.

B-1.1

Domestic and International Intercity Travel by Age Group, 1980, 1986, 1988, and 1990

	To U.S.	Other inter- national	Total inter- national	Total domestic	Total travel
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1988

II.1. Domestic and international travel ('000s of person-trips)

< 15	2,144	324	2,468	25,160	27,628
15-24	1,423	360	1,783	18,676	20,459
25-34	2,272	458	2,730	29,467	32,197
35-44	2,293	359	2,652	24,368	27,020
45-54	1,660	451	2,111	15,914	18,025
55-64	1,060	378	1,438	11,902	13,340
65-69	334	127	461	4,140	4,601
70+	419	73	492	3,646	4,138
All ages	11,605	2,530	14,135	133,273	147,408

II.1a. Percentage distribution of travel for each trip destination by age group

< 15	18.5	12.8	17.5	18.9	18.7
15-24	12.3	14.2	12.6	14.0	13.9
25-34	19.6	18.1	19.3	22.1	21.8
35-44	19.8	14.2	18.8	18.3	18.3
45-54	14.3	17.8	14.9	11.9	12.2
55-64	9.1	14.9	10.2	8.9	9.0
65-69	2.9	5.0	3.3	3.1	3.1
70+	3.6	2.9	3.5	2.7	2.8
All ages	100.0	100.0	100.0	100.0	100.0

II.1b. Percentage distribution of total travel by destination

< 15	7.8	1.2	8.9	91.1	100.0
15-24	7.0	1.8	8.7	91.3	100.0
25-34	7.1	1.4	8.5	91.5	100.0
35-44	8.5	1.3	9.8	90.2	100.0
45-54	9.2	2.5	11.7	88.3	100.0
55-64	7.9	2.8	10.8	89.2	100.0
65-69	7.3	2.8	10.0	90.0	100.0
70+	10.1	1.8	11.9	88.1	100.0
All ages	7.9	1.7	9.6	90.4	100.0

II.2. Travel propensities (number of trips per person for each age group)

< 15	0.39	0.06	0.45	4.61	5.07
15-24	0.37	0.09	0.46	4.79	5.25
25-34	0.50	0.10	0.60	6.45	7.05
35-44	0.60	0.09	0.69	6.36	7.05
45-54	0.63	0.17	0.81	6.08	6.88
55-64	0.46	0.16	0.62	5.13	5.75
65-69	0.34	0.13	0.47	4.25	4.73
70+	0.25	0.04	0.29	2.17	2.46
All ages	0.46	0.10	0.56	5.26	5.82

Sources:

Travel: Unpublished data from the Canadian Travel Survey.

Population: ≥15: Statistics Canada, *Labour Force Annual Averages 1981-1988*, Catalogue no. 71-529, March 1989, p. 15; <15: Statistics Canada, *CANSIM*, Matrix 6457.

B-1.1

Domestic and International Intercity Travel by Age Group, 1980, 1986, 1988, and 1990

	To U.S.	Other inter- national	Total inter- national	Total domestic	Total travel
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1986

III.1. Domestic and international travel ('000s of person-trips)

< 15	1,241	158	1,399	19,858	21,257
15-24	1,193	274	1,467	19,205	20,672
25-34	1,594	434	2,028	25,480	27,508
35-44	1,605	314	1,919	20,970	22,889
45-54	1,267	265	1,532	13,623	15,155
55-64	981	245	1,226	10,888	12,114
65-69	272	91	363	3,457	3,820
70+	269	70	339	3,208	3,547
All ages	8,422	1,851	10,273	116,689	126,962

III.1a. Percentage distribution of travel for each trip destination by age group

< 15	14.7	8.5	13.6	17.0	16.7
15-24	14.2	14.8	14.3	16.5	16.3
25-34	18.9	23.4	19.7	21.8	21.7
35-44	19.1	17.0	18.7	18.0	18.0
45-54	15.0	14.3	14.9	11.7	11.9
55-64	11.6	13.2	11.9	9.3	9.5
65-69	3.2	4.9	3.5	3.0	3.0
70+	3.2	3.8	3.3	2.7	2.8
All ages	100.0	100.0	100.0	100.0	100.0

III.1b. Percentage distribution of total travel by destination

< 15	5.8	0.7	6.6	93.4	100.0
15-24	5.8	1.3	7.1	92.9	100.0
25-34	5.8	1.6	7.4	92.6	100.0
35-44	7.0	1.4	8.4	91.6	100.0
45-54	8.4	1.7	10.1	89.9	100.0
55-64	8.1	2.0	10.1	89.9	100.0
65-69	7.1	2.4	9.5	90.5	100.0
70+	7.6	2.0	9.6	90.4	100.0
All ages	6.6	1.5	8.1	91.9	100.0

III.2. Travel propensities (number of trips per person for each age group)

< 15	0.23	0.03	0.26	3.67	3.93
15-24	0.29	0.07	0.36	4.71	5.07
25-34	0.36	0.10	0.46	5.75	6.20
35-44	0.45	0.09	0.53	5.84	6.38
45-54	0.50	0.11	0.61	5.43	6.04
55-64	0.43	0.11	0.53	4.74	5.27
65-69	0.30	0.10	0.40	3.85	4.26
70+	0.17	0.04	0.21	2.01	2.22
All ages	0.34	0.07	0.41	4.70	5.12

Sources:

Travel: Unpublished data from the Canadian Travel Survey.

Population: >15: Statistics Canada, *Labour Force Annual Averages 1981-1988*, Catalogue no. 71-529, March 1989, p. 13; <15: Statistics Canada, *CANSIM*, Matrix 6457.

Domestic and International Intercity Travel by Age Group, 1980, 1986, 1988, and 1990

	To U.S.	Other inter- national	Total inter- national	Total domestic	Total travel
1980					
IV.1. Domestic and international travel ('000s of person-trips)					
< 15	1,461	133	1,594	22,570	24,164
15-24	1,526	267	1,793	21,907	23,700
25-34	2,053	337	2,390	24,145	26,535
35-44	1,530	281	1,811	16,590	18,401
45-54	1,223	263	1,486	12,183	13,669
55-64	917	174	1,091	8,842	9,933
65-69	240	25	265	2,502	2,767
70+	266	35	301	2,258	2,559
All ages	9,216	1,515	10,731	110,997	121,728

IV.1a. Percentage distribution of travel for each trip destination by age group

< 15	15.9	8.8	14.9	20.3	19.9
15-24	16.6	17.6	16.7	19.7	19.5
25-34	22.3	22.2	22.3	21.8	21.8
35-44	16.6	18.5	16.9	14.9	15.1
45-54	13.3	17.4	13.8	11.0	11.2
55-64	10.0	11.5	10.2	8.0	8.2
65-69	2.6	1.7	2.5	2.3	2.3
70+	2.9	2.3	2.8	2.0	2.1
All ages	100.0	100.0	100.0	100.0	100.0

IV.1b. Percentage distribution of total travel by destination

< 15	6.0	0.6	6.6	93.4	100.0
15-24	6.4	1.1	7.6	92.4	100.0
25-34	7.7	1.3	9.0	91.0	100.0
35-44	8.3	1.5	9.8	90.2	100.0
45-54	8.9	1.9	10.9	89.1	100.0
55-64	9.2	1.8	11.0	89.0	100.0
65-69	8.7	0.9	9.6	90.4	100.0
70+	10.4	1.4	11.8	88.2	100.0
All ages	7.6	1.2	8.8	91.2	100.0

IV.2. Travel propensities (number of trips per person for each age group)

< 15	0.26	0.02	0.29	4.09	4.37
15-24	0.34	0.06	0.39	4.81	5.20
25-34	0.51	0.08	0.59	6.00	6.59
35-44	0.54	0.10	0.64	5.89	6.53
45-54	0.50	0.11	0.61	4.96	5.57
55-64	0.44	0.08	0.52	4.24	4.76
65-69	0.30	0.03	0.33	3.10	3.42
70+	0.20	0.03	0.23	1.73	1.96
All ages	0.39	0.06	0.46	4.71	5.16

Sources:

Travel: Unpublished data from the Canadian Travel Survey.

Population: ≥ 15 : Statistics Canada, *Labour Force Annual Averages 1975-1983*, Catalogue no. 71-529, February 1984, p. 14; ≤ 15 : Statistics Canada, *CANSIM*, Matrix 6457.

B-1.2

Domestic and International Intercity Travel by Primary Mode of Transportation, 1980, 1986, 1988, and 1990

	To U.S.	Other inter- national	Total inter- national	Total domestic	Total travel
1990					
I.1. Domestic and international travel ('000s of person-trips)					
Auto	10,591	61	10,652	121,355	132,007
Air	3,768	2,521	6,289	6,565	12,854
Bus	624	10	634	3,726	4,360
Rail	9	1	10	802	812
Boat	54	28	82	349	431
Other	174	6	180	1,033	1,213
Total	15,220	2,627	17,847	133,830	151,677

I.1a. Percentage distribution of travel for each trip destination by mode

Auto	69.6	2.3	59.7	90.7	87.0
Air	24.8	96.0	35.2	4.9	8.5
Bus	4.1	0.4	3.6	2.8	2.9
Rail	0.1	0.0	0.1	0.6	0.5
Boat	0.4	1.1	0.5	0.3	0.3
Other	1.1	0.2	1.0	0.8	0.8
Total	100.0	100.0	100.0	100.0	100.0

I.1b. Percentage distribution of total travel by destination

Auto	8.0	0.0	8.1	91.9	100.0
Air	29.3	19.6	48.9	51.1	100.0
Bus	14.3	0.2	14.5	85.5	100.0
Rail	1.1	0.1	1.2	98.8	100.0
Boat	12.5	6.5	19.0	81.0	100.0
Other	14.3	0.5	14.8	85.2	100.0
Total	10.0	1.7	11.8	88.2	100.0

1988

II.1. Domestic and international travel ('000s of person-trips)

Auto	7,569	63	7,632	119,715	127,347
Air	3,377	2,422	5,799	6,849	12,648
Bus	351	9	360	3,876	4,236
Rail	18	1	19	1,423	1,442
Boat	67	31	98	324	422
Other	224	3	227	1,086	1,313
Total	11,606	2,529	14,135	133,273	147,408

II.1a. Percentage distribution of travel for each trip destination by mode

Auto	65.2	2.5	54.0	89.8	86.4
Air	29.1	95.8	41.0	5.1	8.6
Bus	3.0	0.4	2.5	2.9	2.9
Rail	0.2	0.0	0.1	1.1	1.0
Boat	0.6	1.2	0.7	0.2	0.3
Other	1.9	0.1	1.6	0.8	0.9
Total	100.0	100.0	100.0	100.0	100.0

II.1b. Percentage distribution of total travel by destination

Auto	5.9	0.0	6.0	94.0	100.0
Air	26.7	19.1	45.8	54.2	100.0
Bus	8.3	0.2	8.5	91.5	100.0
Rail	1.2	0.1	1.3	98.7	100.0
Boat	15.9	7.3	23.2	76.8	100.0
Other	17.1	0.2	17.3	82.7	100.0
Total	7.9	1.7	9.6	90.4	100.0

Domestic and International Intercity Travel by Primary Mode of Transportation, 1980, 1986, 1988, and 1990

	To U.S.	Other inter- national	Total inter- national	Total domestic	Total travel
1986					
III.1. Domestic and international travel ('000s of person-trips)					
Auto	5,228	53	5,281	103,521	108,802
Air	2,641	1,753	4,394	6,263	10,657
Bus	275	16	291	4,004	4,295
Rail	27	0	27	1,267	1,294
Boat	46	24	70	314	384
Other	206	2	208	1,321	1,529
Total	8,423	1,848	10,271	116,690	126,961

III.1a. Percentage distribution of travel for each trip destination by mode

Auto	62.1	2.9	51.4	88.7	85.7
Air	31.4	94.9	42.8	5.4	8.4
Bus	3.3	0.9	2.8	3.4	3.4
Rail	0.3	0.0	0.3	1.1	1.0
Boat	0.5	1.3	0.7	0.3	0.3
Other	2.4	0.1	2.0	1.1	1.2
Total	100.0	100.0	100.0	100.0	100.0

III.1b. Percentage distribution of total travel by destination

Auto	4.8	0.0	4.9	95.1	100.0
Air	24.8	16.4	41.2	58.8	100.0
Bus	6.4	0.4	6.8	93.2	100.0
Rail	2.1	0.0	2.1	97.9	100.0
Boat	12.0	6.3	18.2	81.8	100.0
Other	13.5	0.1	13.6	86.4	100.0
Total	6.6	1.5	8.1	91.9	100.0

1980**IV.1. Domestic and international travel ('000s of person-trips)**

Auto	5,690	34	5,724	97,877	103,601
Air	2,989	1,431	4,420	6,053	10,473
Bus	305	14	319	4,425	4,744
Rail	58	0	58	1,289	1,347
Boat	34	11	45	256	301
Other	139	25	164	1,097	1,261
Total	9,215	1,515	10,730	110,997	121,727

IV.1a. Percentage distribution of travel for each trip destination by mode

Auto	61.7	2.2	53.3	88.2	85.1
Air	32.4	94.5	41.2	5.5	8.6
Bus	3.3	0.9	3.0	4.0	3.9
Rail	0.6	0.0	0.5	1.2	1.1
Boat	0.4	0.7	0.4	0.2	0.2
Other	1.5	1.7	1.5	1.0	1.0
Total	100.0	100.0	100.0	100.0	100.0

IV.1b. Percentage distribution of total travel by destination

Auto	5.5	0.0	5.5	94.5	100.0
Air	28.5	13.7	42.2	57.8	100.0
Bus	6.4	0.3	6.7	93.3	100.0
Rail	4.3	0.0	4.3	95.7	100.0
Boat	11.3	3.7	15.0	85.0	100.0
Other	11.0	2.0	13.0	87.0	100.0
Total	7.6	1.2	8.8	91.2	100.0

Source: Unpublished data from the Canadian Travel Survey.

B-1.3

Domestic and International Intercity Travel by One-Way Length of Trip, 1980, 1986, 1988, and 1990

	To U.S.	Other inter- national	Total inter- national	Total domestic	Total travel
1990					
I.1. Domestic and international travel ('000s of person-trips)					
80 - 159 km	2,859	10	2,869	62,278	65,147
160 - 319 km	2,486	1	2,487	39,587	42,074
320 - 799 km	2,855	4	2,859	20,420	23,279
800 - 1,599 km	1,778	10	1,788	4,954	6,742
1,600-3,199 km	2,491	125	2,616	2,192	4,808
3,200 km or more	1,378	1,620	2,998	1,401	4,399
Not stated	1,373	855	2,228	2,999	5,227
Total	15,220	2,625	17,845	133,831	151,676

I.1a. Percentage distribution of travel for each trip destination by one-way distance travelled

80 - 159 km	18.8	0.4	16.1	46.5	43.0
160 - 319 km	16.3	0.0	13.9	29.6	27.7
320 - 799 km	18.8	0.2	16.0	15.3	15.3
800 - 1,599 km	11.7	0.4	10.0	3.7	4.4
1,600-3,199 km	16.4	4.8	14.7	1.6	3.2
3,200 km or more	9.1	61.7	16.8	1.0	2.9
Not stated	9.0	32.6	12.5	2.2	3.4
Total	100.0	100.0	100.0	100.0	100.0

I.1b. Percentage distribution of total trips by trip destination

80 - 159 km	4.4	0.0	4.4	95.6	100.0
160 - 319 km	5.9	0.0	5.9	94.1	100.0
320 - 799 km	12.3	0.0	12.3	87.7	100.0
800 - 1,599 km	26.4	0.1	26.5	73.5	100.0
1,600-3,199 km	51.8	2.6	54.4	45.8	100.0
3,200 km or more	31.3	36.8	68.2	31.8	100.0
Not stated	26.3	16.4	42.6	57.4	100.0
Total	10.0	1.7	11.8	88.2	100.0

1988**II.1. Domestic and international travel ('000s of person-trips)**

80 - 159 km	1,679	0	1,679	60,700	62,379
160 - 319 km	1,585	4	1,589	39,071	40,660
320 - 799 km	2,399	10	2,409	22,813	25,222
800 - 1,599 km	1,685	9	1,694	4,974	6,668
1,600-3,199 km	2,148	154	2,302	1,974	4,276
3,200 km or more	1,310	1,746	3,056	1,220	4,276
Not stated	800	606	1,406	2,521	3,927
Total	11,806	2,529	14,135	133,273	147,408

II.1a. Percentage distribution of travel for each trip destination by one-way distance travelled

80 - 159 km	14.5	0.0	11.9	45.5	42.3
160 - 319 km	13.7	0.2	11.2	29.3	27.6
320 - 799 km	20.7	0.4	17.0	17.1	17.1
800 - 1,599 km	14.5	0.4	12.0	3.7	4.5
1,600-3,199 km	18.5	6.1	16.3	1.5	2.9
3,200 km or more	11.3	69.0	21.6	0.9	2.9
Not stated	6.9	24.0	9.9	1.9	2.7
Total	100.0	100.0	100.0	100.0	100.0

II.1b. Percentage distribution of total trips by trip destination

80 - 159 km	2.7	0.0	2.7	97.3	100.0
160 - 319 km	3.9	0.0	3.9	96.1	100.0
320 - 799 km	9.5	0.0	9.6	90.4	100.0
800 - 1,599 km	25.3	0.1	25.4	74.6	100.0
1,600-3,199 km	50.2	3.6	53.8	46.2	100.0
3,200 km or more	30.6	40.8	71.5	28.5	100.0
Not stated	20.4	15.4	35.8	64.2	100.0
Total	7.9	1.7	9.6	90.4	100.0

Domestic and International Intercity Travel by One-Way Length of Trip, 1980, 1986, 1988, and 1990

	To U.S.	Other inter- national	Total inter- national	Total domestic	Total travel
1980					
III.1. Domestic and international travel ('000s of person-trips)					
80 - 159 km	1,179	2	1,181	52,092	53,273
160 - 319 km	1,264	17	1,281	35,393	36,674
320 - 799 km	1,661	22	1,683	19,085	20,768
800 - 1,599 km	1,252	13	1,265	5,085	6,350
1,600-3,199 km	1,553	110	1,663	1,760	3,423
3,200 km or more	958	1,242	2,200	1,346	3,546
Not stated	554	447	1,001	1,928	2,929
Total	8,421	1,853	10,274	116,689	126,963

III.1a. Percentage distribution of travel for each trip destination by one-way distance travelled

80 - 159 km	14.0	0.1	11.5	44.8	42.0
160 - 319 km	15.0	0.9	12.5	30.3	28.9
320 - 799 km	19.7	1.2	16.4	16.4	16.4
800 - 1,599 km	14.9	0.7	12.3	4.4	5.0
1,600-3,199 km	18.4	5.9	16.2	1.5	2.7
3,200 km or more	11.4	67.0	21.4	1.2	2.8
Not stated	6.6	24.1	9.7	1.7	2.3
Total	100.0	100.0	100.0	100.0	100.0

III.1b. Percentage distribution of total trips by trip destination

80 - 159 km	2.2	0.0	2.2	97.8	100.0
160 - 319 km	3.4	0.0	3.5	96.5	100.0
320 - 799 km	8.0	0.1	8.1	91.9	100.0
800 - 1,599 km	19.7	0.2	19.9	80.1	100.0
1,600-3,199 km	45.4	3.2	48.6	51.4	100.0
3,200 km or more	27.0	35.0	62.0	38.0	100.0
Not stated	18.9	15.3	34.2	65.8	100.0
Total	6.6	1.5	8.1	91.9	100.0

1986

IV.1. Domestic and international travel ('000s of person-trips)

80 - 159 km	1,132	0	1,132	49,897	51,029
160 - 319 km	1,208	1	1,209	33,874	35,083
320 - 799 km	1,918	7	1,925	17,643	19,568
800 - 1,599 km	1,182	8	1,190	4,984	6,174
1,600-3,199 km	1,640	80	1,720	1,942	3,662
3,200 km or more	1,188	890	2,078	1,163	3,241
Not stated	947	528	1,475	1,494	2,969
Total	9,215	1,514	10,729	110,997	121,726

IV.1a. Percentage distribution of travel for each trip destination by one-way distance travelled

80 - 159 km	12.3	0.0	10.6	45.0	41.9
160 - 319 km	13.1	0.1	11.3	30.5	28.8
320 - 799 km	20.8	0.5	17.9	15.9	16.1
800 - 1,599 km	12.8	0.5	11.1	4.5	5.1
1,600-3,199 km	17.8	5.3	16.0	1.7	3.0
3,200 km or more	12.9	58.8	19.4	1.0	2.7
Not stated	10.3	34.9	13.7	1.3	2.4
Total	100.0	100.0	100.0	100.0	100.0

IV.1b. Percentage distribution of total trips by trip destination

80 - 159 km	2.2	0.0	2.2	97.8	100.0
160 - 319 km	3.4	0.0	3.4	96.6	100.0
320 - 799 km	9.8	0.0	9.8	90.2	100.0
800 - 1,599 km	19.1	0.1	19.3	80.7	100.0
1,600-3,199 km	44.8	2.2	47.0	53.0	100.0
3,200 km or more	36.7	27.5	64.1	35.9	100.0
Not stated	31.9	17.8	49.7	50.3	100.0
Total	7.6	1.2	8.8	91.2	100.0

Source: Unpublished data from the Canadian Travel Survey.

B-1.4

Domestic and International Intercity Travel by Purpose of Trip, 1980, 1986, 1988, and 1990

	To U.S.	Other inter- national	Total inter- national	Total domestic	Total travel
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1990

I.1. Domestic and international travel ('000s of person-trips)

Visiting friends/relatives	2,206	640	2,846	46,061	48,907
Pleasure	10,084	1,480	11,564	49,168	60,732
Business	2,062	366	2,428	24,541	26,969
Personal	808	139	947	13,771	14,718
Not stated	60	1	61	290	351
Total	15,220	2,626	17,846	133,831	151,677

I.1a. Percentage distribution of travel for each trip destination by purpose

Visiting friends/relatives	14.5	24.4	15.9	34.4	32.2
Pleasure	66.3	56.4	64.8	36.7	40.0
Business	13.5	13.9	13.6	18.3	17.8
Personal	5.3	5.3	5.3	10.3	9.7
Not stated	0.4	0.0	0.3	0.2	0.2
Total	100.0	100.0	100.0	100.0	100.0

I.1b. Percentage distribution of total trips by trip destination

Visiting friends/relatives	4.5	1.3	5.8	94.2	100.0
Pleasure	16.6	2.4	19.0	81.0	100.0
Business	7.6	1.4	9.0	91.0	100.0
Personal	5.5	0.9	6.4	93.6	100.0
Not stated	17.1	0.3	17.4	82.6	100.0
Total	10.0	1.7	11.8	88.2	100.0

1988

II.1. Domestic and international travel ('000s of person-trips)

Visiting friends/relatives	1,738	560	2,298	47,999	50,297
Pleasure	7,841	1,467	9,308	49,892	59,200
Business	1,601	413	2,014	22,584	24,598
Personal	419	82	501	12,526	13,027
Not stated	6	8	14	272	286
Total	11,605	2,530	14,135	133,273	147,408

II.1a. Percentage distribution of travel for each trip destination by purpose

Visiting friends/relatives	15.0	22.1	16.3	36.0	34.1
Pleasure	67.6	58.0	65.9	37.4	40.2
Business	13.8	16.3	14.2	16.9	16.7
Personal	3.6	3.2	3.5	9.4	8.8
Not stated	0.1	0.3	0.1	0.2	0.2
Total	100.0	100.0	100.0	100.0	100.0

II.1b. Percentage distribution of total trips by trip destination

Visiting friends/relatives	3.5	1.1	4.6	95.4	100.0
Pleasure	13.2	2.5	15.7	84.3	100.0
Business	6.5	1.7	8.2	91.8	100.0
Personal	3.2	0.6	3.8	96.2	100.0
Not stated	2.1	2.8	4.9	95.1	100.0
Total	7.9	1.7	9.6	90.4	100.0

B-1.4

Domestic and International Intercity Travel by Purpose of Trip, 1980, 1986, 1988, and 1990

	To U.S.	Other inter- national	Total inter- national	Total domestic	Total travel
1986					
III.1. Domestic and international travel ('000s of person-trips)					
Visiting friends/relatives	1,545	443	1,988	41,286	43,274
Pleasure	4,934	1,059	5,993	44,103	50,096
Business	1,602	253	1,855	19,832	21,687
Personal	296	80	376	11,221	11,597
Not stated	46	13	59	248	307
Total	8,423	1,848	10,271	116,690	126,961

III.1a. Percentage distribution of travel for each trip destination by purpose

Visiting friends/relatives	18.3	24.0	19.4	35.4	34.1
Pleasure	58.6	57.3	58.3	37.8	39.5
Business	19.0	13.7	18.1	17.0	17.1
Personal	3.5	4.3	3.7	9.6	9.1
Not stated	0.5	0.7	0.6	0.2	0.2
Total	100.0	100.0	100.0	100.0	100.0

III.1b. Percentage distribution of total trips by trip destination

Visiting friends/relatives	3.6	1.0	4.6	95.4	100.0
Pleasure	9.8	2.1	12.0	88.0	100.0
Business	7.4	1.2	8.6	91.4	100.0
Personal	2.6	0.7	3.2	96.8	100.0
Not stated	15.0	4.2	19.2	80.8	100.0
Total	6.6	1.5	8.1	91.9	100.0

1990

IV.1. Domestic and international travel ('000s of person-trips)

Visiting friends/relatives	1,386	422	1,808	35,929	37,737
Pleasure	6,212	830	7,042	44,452	51,494
Business	1,248	170	1,418	19,188	20,606
Personal	315	78	393	10,516	10,909
Not stated	55	14	69	912	981
Total	9,216	1,514	10,730	110,997	121,727

IV.1a. Percentage distribution of travel for each trip destination by purpose

Visiting friends/relatives	15.0	27.9	16.8	32.4	31.0
Pleasure	67.4	54.8	65.6	40.0	42.3
Business	13.5	11.2	13.2	17.3	16.9
Personal	3.4	5.2	3.7	9.5	9.0
Not stated	0.6	0.9	0.6	0.8	0.8
Total	100.0	100.0	100.0	100.0	100.0

IV.1b. Percentage distribution of total trips by trip destination

Visiting friends/relatives	3.7	1.1	4.8	95.2	100.0
Pleasure	12.1	1.6	13.7	86.3	100.0
Business	6.1	0.8	6.9	93.1	100.0
Personal	2.9	0.7	3.6	96.4	100.0
Not stated	5.6	1.4	7.0	93.0	100.0
Total	7.6	1.2	8.8	91.2	100.0

Source: Unpublished data from the Canadian Travel Survey.

Travel to Canada, Resident and Non-Resident Travellers, by Length of Stay, 1979-1990

I. Travel to Canada ('000s of person-trips)	U.S. residents		Residents of other countries		Total non-resident travel	Canadians returning from other countries				Total resident/non-res. travellers		
	Same day	One or more nights	Same day	One or more nights		U.S.	Overnight		Total			
							U.S.	Other				
1979	20 283	10 909	31 192	1 676	2 010	33 202	23 866	10 516	1 757	36 139	69 341	73 420
1980	27 538	10 963	38 501	1 822	2 163	40 664	23 505	11 238	1 585	36 328	76 992	80 933
1981	28 841	10 968	39 809	1 843	2 145	41 954	22 746	10 838	1 478	35 062	77 016	81 089
1982	21 970	10 462	32 432	1 721	1 975	34 407	23 056	10 266	1 489	34 811	69 218	73 135
1983	21 567	10 913	32 480	1 578	1 776	34 256	27 163	11 816	1 752	40 731	74 987	79 140
1984	21 663	11 295	32 978	1 680	1 887	34 865	25 892	10 891	2 012	38 795	73 660	78 201
1985	22 559	11 558	34 117	1 613	1 808	35 925	26 708	10 721	2 300	39 729	75 654	80 468
1986	24 591	13 608	38 199	247	2 260	40 459	27 326	10 793	2 285	40 404	80 863	86 031
1987	24 233	12 720	36 953	388	2 643	39 596	32 440	12 253	2 648	47 341	86 937	92 302
1988	23 364	12 763	36 147	384	3 106	39 253	37 609	13 700	2 801	51 110	93 363	99 037
1989	22 521	12 184	34 705	350	3 277	37 982	44 586	15 325	2 996	62 907	100 889	106 680
1990	22 467	12 267	34 734	266	3 256	37 990	53 105	17 327	3 153	73 585	111 576	—

II. Percentage distribution of total person-trips

1979	61.1	32.9	93.9	1.0	5.0	6.1	66.0	29.1	4.9	94.4
1980	67.7	27.0	94.7	0.8	4.5	5.3	64.7	30.9	4.4	95.1
1981	68.7	26.1	94.9	0.7	4.4	5.1	64.9	30.9	4.2	95.0
1982	63.9	30.4	94.3	0.7	5.0	5.7	66.2	29.5	4.3	94.6
1983	63.0	31.9	94.8	0.6	4.6	5.2	66.7	29.0	4.3	94.8
1984	62.2	32.4	94.6	0.6	4.8	5.4	66.7	28.1	5.2	94.2
1985	62.8	32.2	95.0	0.5	4.5	5.0	67.2	27.0	5.8	94.0
1986	60.8	33.6	94.4	0.6	5.0	5.6	67.6	26.7	5.7	94.0
1987	61.2	32.1	93.3	1.0	5.7	6.7	68.5	25.9	5.6	94.2
1988	59.6	32.5	92.1	1.0	6.9	7.9	69.5	25.3	5.2	94.3
1989	59.3	32.1	91.4	0.9	7.7	8.6	70.9	24.4	4.8	-
1990	59.1	32.3	91.4	0.7	7.9	8.6	72.2	23.5	4.3	-

Source: 1979: Statistics Canada, *Touriscope 1988: International Travel*, Catalogue no. 66-201, November 1989, Table 5 and Table 6, pp. 6-7;
 1980-1989: Statistics Canada, *Touriscope: International Travel 1989*, Catalogue no. 66-201, November 1990, Table 5 and Table 6, pp. 6-7;
 1990: Statistics Canada, *Touriscope: International Travel, National and Provincial Counts*, Catalogue no. 66-001, October-December 1990 issue, April 1991, Tables 2B, 2D, 3A, and 3C.

Note: The grand total includes other travellers such as transport crews, immigrants, diplomats, military personnel and dependents, and former residents returning to Canada after being away for more than one year.

Travel by Non-Residents to Canada, by Mode, 1979-1990

	Same day				One or more nights									Total U.S. residents
	Auto	Bus	Other	Total	Auto	Total air	Public airlines	Private air	Bus	Rail	Marine	Other	Total	
I. Travel by U.S. residents ('000s of person-trips)														
1979	-	-	-	20,283	7,767	1,694	-	-	799	91	207	351	10,909	31,192
1980	26,044	707	787	27,538	7,831	1,733	1,643	90	791	75	206	327	10,963	38,501
1981	27,110	671	1,060	28,841	7,898	1,708	1,616	92	782	77	198	305	10,968	39,809
1982	20,184	694	1,092	21,970	7,621	1,578	1,496	82	709	61	205	288	10,462	32,432
1983	19,847	741	979	21,567	7,809	1,580	1,500	80	778	78	227	441	10,913	32,480
1984	19,850	789	1,044	21,683	7,865	1,758	1,676	82	834	65	336	437	11,295	32,978
1985	20,522	807	1,230	22,559	8,091	1,922	1,853	69	868	71	261	345	11,558	34,117
1986	22,555	862	1,174	24,591	9,538	2,258	2,194	64	1,060	70	305	377	13,608	38,199
1987	22,278	715	1,240	24,233	8,933	2,245	2,185	60	847	58	232	406	12,721	36,954
1988	21,465	711	1,208	23,384	8,915	2,355	n/a	n/a	831	61	217	385	12,764	36,148
1989	20,796	645	1,080	22,521	8,417	2,319	n/a	n/a	750	67	285	347	12,185	34,706
1990	20,692	720	1,055	22,467	8,381	n/a	n/a	n/a	722	62	n/a	n/a	12,267	34,734

I.1. Percentage distribution of total international non-resident travel

1979	-	-	-	61.1	23.4	5.1	-	-	2.4	0.3	0.6	1.1	32.9	93.9
1980	64.0	1.7	1.9	67.7	19.3	4.3	4.0	0.2	1.9	0.2	0.5	0.8	27.0	94.7
1981	64.6	1.6	2.5	68.7	18.8	4.1	3.9	0.2	1.9	0.2	0.5	0.7	26.1	94.9
1982	58.7	2.0	3.2	63.9	22.1	4.6	4.3	0.2	2.1	0.2	0.6	0.8	30.4	94.3
1983	57.9	2.2	2.9	63.0	22.8	4.6	4.4	0.2	2.3	0.2	0.7	1.3	31.9	94.8
1984	56.9	2.3	3.0	62.2	22.6	5.0	4.8	0.2	2.4	0.2	1.0	1.3	32.4	94.6
1985	57.1	2.2	3.4	62.8	22.5	5.4	5.2	0.2	2.4	0.2	0.7	1.0	32.2	95.0
1986	55.7	2.1	2.9	60.8	23.6	5.6	5.4	0.2	2.6	0.2	0.8	0.9	33.6	94.4
1987	56.3	1.8	3.1	61.2	22.6	5.7	5.5	0.2	2.1	0.1	0.6	1.0	32.1	93.3
1988	54.7	1.8	3.1	59.6	22.7	6.0	-	-	2.1	0.2	0.6	1.0	32.5	92.1
1989	54.8	1.7	2.8	59.3	22.2	6.1	-	-	2.0	0.2	0.8	0.9	32.1	91.4
1990	54.5	1.9	2.8	59.1	22.1	-	-	-	1.9	0.2	-	-	32.3	91.4

II. Travel by residents of other countries by mode ('000s of person-trips)

	Direct			Via U.S.				Total other non-residents
	Air	Marine	Total	Air	Land same day	Land over-night	Marine	Total
1979	-	-	-	-	-	-	-	2,010
1980	952	5	957	411	311	480	3	1,205
1981	989	5	994	402	273	473	3	1,151
1982	919	3	922	379	221	449	3	1,052
1983	846	3	849	364	164	396	3	927
1984	876	4	880	394	177	426	9	1,006
1985	870	4	874	371	164	391	9	935
1986	1,031	4	1,035	449	210	553	13	1,225
1987	1,154	5	1,159	483	346	639	16	1,484
1988	1,431	4	1,435	562	343	745	21	1,671
1989	1,542	5	1,547	604	305	788	33	1,730
1990	1,563	5	1,568	629	266	758	36	1,688

II.1. Percentage distribution of total non-resident international travel

1979	-	-	-	-	-	-	-	-
1980	2.3	0.0	2.4	1.0	0.8	1.2	0.0	3.0
1981	2.4	0.0	2.4	1.0	0.7	1.1	0.0	2.7
1982	2.7	0.0	2.7	1.1	0.6	1.3	0.0	3.1
1983	2.5	0.0	2.5	1.1	0.5	1.2	0.0	2.7
1984	2.5	0.0	2.5	1.1	0.5	1.2	0.0	2.9
1985	2.4	0.0	2.4	1.0	0.5	1.1	0.0	2.6
1986	2.5	0.0	2.6	1.1	0.5	1.4	0.0	3.0
1987	2.9	0.0	2.9	1.2	0.9	1.6	0.0	3.7
1988	3.6	0.0	3.7	1.4	0.9	1.9	0.1	4.3
1989	4.1	0.0	4.1	1.6	0.8	2.1	0.1	4.6
1990	4.1	0.0	4.1	1.7	0.7	2.0	0.1	4.4

Sources:

1979-1987: Statistics Canada, *Touriscope 1988: Tourism in Canada*, Catalogue no. 87-401, October 1988, Table 3.1., p. 69.
 1988-1990: Statistics Canada, *Touriscope: International Travel, National and Provincial Counts*, Catalogue no. 66-001, October-December 1989 and 1990 issues, Table 3A.

Non-Residents Staying One or More Nights in Canada, by Trip Purpose, 1979-1989

	Busi- ness	Visiting friends/ relatives	Pleasure/ recreation	Other	Multiple answers				Total over- night
					Business/ visiting	Business/ pleasure	Visiting/ pleasure	Other/ no answ.	
I. Travel by all non-residents in Canada, distributed by trip purpose (%)									
1979	12.7	20.5	58.6	2.0	0.5	1.0	4.1	0.6	100.0
1980	13.9	20.6	58.6	2.0	0.4	0.5	3.4	0.6	100.0
1981	12.5	21.8	58.2	2.0	0.4	0.5	3.8	0.8	100.0
1982	14.2	22.4	57.9	1.6	0.3	0.6	2.8	0.2	100.0
1983	14.2	23.8	58.0	1.5	0.2	0.5	1.6	0.2	100.0
1984	13.5	23.0	59.1	2.4	0.2	0.1	1.5	0.2	100.0
1985	17.1	21.3	56.3	3.4	0.1	0.2	1.3	0.3	100.0
1986	13.5	20.6	61.3	2.0	0.2	0.2	1.5	0.7	100.0
1987	15.9	21.1	59.6	1.1	0.1	0.2	1.7	0.3	100.0
1988	16.3	23.3	57.0	0.8	0.2	0.2	2.1	0.1	100.0
1989	17.7	24.1	54.2	1.1	0.2	0.2	2.3	0.2	100.0

Person-trip equivalents ('000s)

1979	1,598	2,580	7,375	252	63	126	518	76	12,585
1980	1,777	2,634	7,492	256	51	64	435	77	12,785
1981	1,601	2,793	7,456	256	51	64	487	102	12,811
1982	1,730	2,729	7,054	195	37	73	341	24	12,183
1983	1,774	2,973	7,245	187	25	62	200	25	12,491
1984	1,752	2,984	7,868	311	26	13	195	26	12,975
1985	2,252	2,805	7,415	448	13	26	171	40	13,171
1986	2,109	3,218	9,576	312	31	31	234	109	15,621
1987	2,381	3,160	8,925	165	15	30	255	45	14,974
1988	2,524	3,608	8,826	124	31	31	325	15	15,485
1989	2,675	3,642	8,190	166	30	30	348	30	15,111

II. Travel by U.S. residents, distributed by trip purpose (%)

1979	12.5	17.0	64.0	1.8	0.4	0.9	2.8	0.6	100.0
1980	14.1	16.9	64.0	2.0	0.3	0.4	1.8	0.5	100.0
1981	12.2	18.4	63.5	2.0	0.3	0.4	2.4	0.8	100.0
1982	14.3	18.7	63.3	1.5	0.2	0.5	1.3	0.2	100.0
1983	14.1	20.9	62.7	1.5	0.1	0.3	0.2	0.2	100.0
1984	13.1	20.0	64.3	2.5	-	-	-	0.1	100.0
1985	16.9	18.5	60.7	3.6	-	-	-	0.3	100.0
1986	13.3	17.7	66.3	2.0	-	-	-	0.7	100.0
1987	16.1	17.9	64.8	0.9	-	-	-	0.3	100.0
1988	16.8	20.1	62.6	0.5	-	-	-	-	100.0
1989	18.4	21.1	59.6	0.9	-	-	-	-	100.0

Person-trip equivalents ('000s)

1979	1,364	1,855	6,982	196	44	98	305	65	10,909
1980	1,546	1,853	7,016	219	33	44	197	55	10,963
1981	1,338	2,018	6,965	219	33	44	263	88	10,968
1982	1,496	1,956	6,622	157	21	52	136	21	10,462
1983	1,539	2,281	6,842	164	11	33	22	22	10,913
1984	1,480	2,259	7,263	282	-	-	-	11	11,295
1985	1,953	2,136	7,016	416	-	-	-	35	11,558
1986	1,610	2,409	9,022	272	-	-	-	95	13,608
1987	2,048	2,277	8,243	114	-	-	-	38	12,720
1988	2,144	2,565	7,990	64	-	-	-	-	12,763
1989	2,242	2,571	7,262	110	-	-	-	-	12,184

III. Travel by residents from other countries, distributed by trip purpose (%)

1979	14.3	43.2	23.8	2.7	1.3	1.1	13.0	0.8	100.0
1980	12.9	42.7	26.0	2.1	1.2	1.3	13.1	0.7	100.0
1981	13.9	42.2	27.1	1.6	1.4	1.3	12.3	0.2	100.0
1982	13.8	44.5	24.9	1.8	1.2	1.3	12.2	0.3	100.0
1983	15.1	43.5	25.7	1.9	1.3	1.2	10.9	0.4	100.0
1984	15.9	43.1	24.6	2.1	1.5	1.0	11.3	0.5	100.0
1985	17.9	41.7	24.8	2.1	1.1	1.2	10.8	0.6	100.0
1986	15.1	40.4	27.4	1.9	1.3	1.4	11.7	0.8	100.0
1987	14.8	38.9	30.5	1.8	1.0	1.4	11.1	0.5	100.0
1988	14.0	38.3	30.7	2.2	0.9	1.2	11.7	1.0	100.0
1989	14.6	36.8	31.8	2.3	0.9	0.9	11.7	1.0	100.0

Person-trip equivalents ('000s)

1979	240	724	399	45	22	18	218	10	1,676
1980	235	778	474	38	22	24	239	13	1,822
1981	256	778	499	29	26	24	227	4	1,843
1982	237	786	429	31	21	22	210	5	1,721
1983	238	686	406	30	21	19	172	6	1,578
1984	267	724	413	35	25	17	190	8	1,680
1985	289	673	400	34	18	19	171	10	1,613
1986	304	813	552	38	26	28	236	16	2,013
1987	334	877	688	41	23	32	250	11	2,255
1988	381	1,043	836	60	24	33	318	27	2,722
1989	427	1,077	931	67	26	26	342	29	2,927

Source: 1979: Statistics Canada, *Touriscope 1988: International Travel*, Catalogue no. 66-201, November 1989, Table 7, p. 8 (All Non-Residents); Table 12, p. 13 (U.S. Residents); Table 16, p. 17 (Residents of Other Countries); 1980-1989: Statistics Canada, *Touriscope: International Travel 1989*, Cat. no. 66-201, November 1990, same page numbers as above.

Expenditures by Non-Resident Travellers in Canada, 1979-1989

	United States			Other countries			Total non-residents		
	Same day	Over-night	Total	Same day	Over-night	Total	Same day	Over-night	Total
I. Total expenditures by non-resident travellers (millions of \$CDN)									
1979	210	1,489	1,699	5	628	633	215	2,117	2,332
1980	311	1,594	1,905	5	740	745	316	2,334	2,650
1981	367	1,851	2,218	4	816	820	371	2,667	3,038
1982	287	1,882	2,169	4	826	830	291	2,708	2,999
1983	297	2,144	2,441	4	737	741	301	2,881	3,182
1984	338	2,542	2,880	4	821	825	342	3,363	3,705
1985	446	2,945	3,391	4	841	845	450	3,786	4,236
1986	470	3,704	4,174	6	1,172	1,178	476	4,876	5,352
1987	447	3,410	3,857	12	1,378	1,390	459	4,788	5,247
1988	428	3,497	3,925	14	1,726	1,740	442	5,223	5,665
1989	388	3,590	3,978	10	1,947	1,957	398	5,537	5,935

II. Total travel by non-resident travellers ('000s of person-trips)

1979	20,283	10,909	31,192	334	1,676	2,010	20,617	12,585	33,202
1980	27,538	10,963	38,501	341	1,822	2,163	27,879	12,785	40,664
1981	28,841	10,968	39,809	302	1,843	2,145	29,143	12,811	41,954
1982	21,970	10,462	32,432	254	1,721	1,975	22,224	12,183	34,407
1983	21,567	10,913	32,480	198	1,578	1,776	21,765	12,491	34,256
1984	21,683	11,295	32,978	207	1,680	1,887	21,890	12,975	34,865
1985	22,559	11,558	34,117	195	1,613	1,808	22,754	13,171	35,925
1986	24,591	13,608	38,200	247	2,013	2,260	24,838	15,621	40,460
1987	24,233	12,720	36,953	388	2,255	2,643	24,621	14,975	39,596
1988	23,384	12,763	36,147	384	2,722	3,106	23,768	15,485	39,253
1989	22,521	12,184	36,147	350	2,927	3,106	22,871	15,111	39,253

III. Average amount spent per trip (\$)

1979	\$10.4	\$136.5	\$54.5	\$15.0	\$374.7	\$314.9	\$10.4	\$168.2	\$70.2
1980	\$11.3	\$145.4	\$49.5	\$14.7	\$406.1	\$344.4	\$11.3	\$182.6	\$65.2
1981	\$12.7	\$168.8	\$55.7	\$13.2	\$442.8	\$382.3	\$12.7	\$208.2	\$72.4
1982	\$13.1	\$179.9	\$66.9	\$15.7	\$480.0	\$420.3	\$13.1	\$222.3	\$87.2
1983	\$13.8	\$196.5	\$75.2	\$20.2	\$467.0	\$417.2	\$13.8	\$230.6	\$92.9
1984	\$15.6	\$225.1	\$87.3	\$19.3	\$488.7	\$437.2	\$15.6	\$259.2	\$106.3
1985	\$19.8	\$254.8	\$99.4	\$20.5	\$521.4	\$467.4	\$19.8	\$287.4	\$117.9
1986	\$19.1	\$272.2	\$109.3	\$24.3	\$582.2	\$521.2	\$19.2	\$312.1	\$132.3
1987	\$18.4	\$268.1	\$104.4	\$30.9	\$611.1	\$525.9	\$18.6	\$319.7	\$132.5
1988	\$18.3	\$274.0	\$108.6	\$36.5	\$634.1	\$560.2	\$18.6	\$337.3	\$144.3
1989	\$17.2	\$294.6	\$110.1	\$28.6	\$665.2	\$630.1	\$17.4	\$366.4	\$151.2

Source: 1979: Statistics Canada, *Touriscope* 1988: *International Travel*, Catalogue no. 66-201, November 1989, Table 6, p. 7; 1980-1989: Statistics Canada, *Touriscope: International Travel 1989*, Catalogue no. 66-201, November 1990, Table 6, p. 7.

Operating Revenues, Passengers Carried, Passenger-Kilometres Travelled, and Employment, Canadian Civil Aviation, All Carrier Levels, 1936-1990

	Total operating revenues (\$ 000s)	Unit-toll passenger revenues (\$ 000s)	Total charter revenues (\$ 000s)	Total passengers carried (000s)	Pass./ popul. (no.)	Total passenger- kilometres (millions)	Average trip length (km)	Pass.- km/ popul. (km)	Employ- ment (number)	Popul. of Canada (000s)
1936	-	-	-	110	0.01	16	145	1	548	10,950
1937	-	-	-	126	0.01	23	183	2	817	11,045
1938	3,451	1,412	-	105	0.01	33	314	3	868	11,152
1939	5,311	2,009	-	109	0.01	38	349	3	1,050	11,267
1940	7,429	2,770	-	125	0.01	64	512	6	1,228	11,381
1941	8,948	3,626	-	153	0.01	85	556	7	1,580	11,507
1942	12,133	5,021	-	183	0.02	109	596	9	2,292	11,654
1943	16,387	7,847	-	239	0.02	153	640	13	3,383	11,795
1944	17,119	7,878	-	299	0.03	167	559	14	4,095	11,946
1945	15,853	8,608	-	384	0.03	220	604	18	4,340	12,072
1946	21,986	11,385	2,442	632	0.05	328	518	27	5,413	12,292
1947	31,900	17,483	3,848	737	0.06	392	532	31	5,725	12,551
1948	44,586	25,604	5,827	919	0.07	529	576	41	5,983	12,823
1949	49,803	31,601	4,286	1,040	0.08	645	620	48	6,513	13,447
1950	57,408	37,256	5,231	1,277	0.09	778	608	57	6,337	13,712
1951	73,052	46,060	10,203	1,547	0.11	929	601	66	6,942	14,009
1952	90,519	51,682	18,952	1,952	0.14	1,283	657	89	9,398	14,459
1953	104,256	59,596	19,684	2,273	0.15	1,513	666	102	10,703	14,846
1954	108,864	66,749	15,150	2,382	0.16	1,724	724	113	11,690	15,287
1955	152,739	77,598	44,543	2,763	0.18	1,983	718	126	13,271	15,698
1956	182,169	96,181	53,436	3,370	0.21	2,479	736	154	14,848	16,081
1957	190,043	112,295	40,719	3,752	0.23	2,909	775	175	16,014	16,610
1958	201,714	131,167	29,897	4,037	0.24	3,415	846	200	15,990	17,080
1959	220,424	152,317	29,003	4,703	0.27	3,958	842	226	16,565	17,483
1960	243,128	168,719	30,317	4,830	0.27	4,507	933	252	17,106	17,870
1961	263,645	186,890	31,004	5,102	0.28	5,323	1,043	292	17,700	18,236
1962	292,675	211,140	31,801	5,425	0.29	5,862	1,081	315	17,810	18,583
1963	318,634	225,679	41,120	5,599	0.30	6,162	1,101	325	17,577	18,931
1964	347,127	240,189	48,683	6,031	0.31	7,435	1,233	385	17,795	19,291
1965	407,688	283,496	54,202	6,832	0.35	8,729	1,278	444	19,007	19,644
1966	478,509	331,116	60,987	7,727	0.39	10,044	1,300	502	21,440	20,015
1967	580,814	398,646	65,173	9,213	0.45	12,267	1,331	602	24,688	20,378
1968	634,467	442,999	78,386	9,577	0.46	13,808	1,442	667	26,550	20,701
1969	721,113	480,256	108,801	10,593	0.50	15,261	1,441	727	28,625	21,001
1970	841,806	560,395	131,727	12,031	0.56	18,605	1,546	874	30,698	21,297
1971	918,390	607,869	150,069	12,889	0.60	18,527	1,437	859	29,622	21,568
1972	1,055,764	696,617	177,711	14,422	0.66	21,739	1,507	997	31,480	21,802
1973	1,253,744	826,692	208,581	17,493	0.79	25,897	1,480	1,175	34,071	22,043
1974	1,597,785	1,085,013	253,019	19,601	0.88	29,166	1,488	1,304	38,874	22,364
1975	1,891,307	1,230,123	357,312	20,493	0.90	31,539	1,539	1,390	40,321	22,697
1976	2,057,647	1,346,285	358,402	20,994	0.91	32,797	1,562	1,426	39,950	22,993
1977	2,358,294	1,536,765	426,601	22,318	0.96	35,553	1,593	1,528	39,466	23,273
1978	2,679,517	1,726,609	514,368	23,649	1.01	38,249	1,617	1,626	40,167	23,517
1979	3,255,549	2,038,481	657,444	27,123	1.14	44,901	1,655	1,891	43,336	23,747
1980	3,984,708	2,524,161	842,683	28,554	1.19	46,996	1,646	1,955	47,676	24,043
1981	4,648,846	2,961,721	968,196	27,189	1.12	46,086	1,695	1,883	47,533	24,342
1982	4,679,430	2,943,362	990,031	24,447	0.99	44,179	1,807	1,797	45,707	24,583
1983	4,675,710	2,957,733	949,694	23,789	0.96	43,370	1,823	1,750	42,093	24,787
1984	5,092,569	3,248,899	1,012,776	27,701	1.11	46,444	1,677	1,859	42,282	24,978
1985	5,621,370	3,568,808	1,178,457	29,056	1.15	49,580	1,706	1,970	43,331	25,165
1986	5,980,819	3,974,298	1,112,979	30,818	1.22	52,170	1,693	2,058	45,490	25,353
1987	6,386,280	4,250,608	1,192,209	32,263	1.26	52,000	1,612	2,030	46,357	25,617
1988	7,136,822	4,959,722	1,244,820	36,014	1.39	63,842	1,773	2,464	48,030	25,909
1989	7,886,303	5,412,856	1,471,545	37,175	1.42	68,123	1,832	2,586	50,670	26,240
1990	8,231,859	5,774,785	1,446,876	36,765	1.38	69,388	1,886	2,608	52,176	26,603

Average annual growth rates (%)

1936-1950	-	-	-	19.1	17.2	32.0	10.8	29.8	19.1	1.6
1950-1975	15.0	15.0	18.4	11.7	9.5	16.0	3.8	13.7	7.7	2.0
1975-1990	10.3	10.9	9.8	4.0	2.9	5.4	1.4	4.3	1.7	1.1
1981-1990	6.6	7.7	4.6	3.4	2.4	4.7	1.2	3.6	1.0	1.0
1936-1990	-	-	-	11.4	9.5	16.8	4.9	14.9	8.8	1.7
1950-1990	13.2	13.4	15.1	8.8	7.0	11.9	2.9	10.0	5.4	1.7

Sources:

Revenues:

1936-1945: M.C. Urquhart and K. Buckley, eds., *Historical Statistics of Canada*, 1st ed. (Toronto: Macmillan, 1965), p. 553; 1946-1975: Statistics Canada, *Historical Statistics of Canada*, 2nd ed., ed. F.H. Leacy (Ottawa: Supply and Services, 1983), Series T226, T227, and T230 (employees=T235); 1976-1990: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 51-206, Table 1 (1976-1981), Table 3 (1982-1987), Table 3.1 (1988-1990).

Passengers and passenger-kilometres:

1936-1984: Statistics Canada, *Aviation in Canada*, Catalogue no. 51-501, December 1986, Table 2.1, pp. 38-39.

1985-1990: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 51-206, Table 2 (1985-1987), and Table 2.1 (1988-1990).

Employment:

1936-1975: Same source as given in the first two citations; 1976-1987: Statistics Canada, *Air Carrier Operations in Canada*, Catalogue no. 51-002,

October-December issues; 1988-1990: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 51-206, Table 4.1.

Population:

1936-1990: Statistics Canada, *Canadian Economic Observer, Historical Statistical Supplement 1990/1991*, Catalogue no. 11-210, July 1991, pp. 96-97

Canadian Civil Aviation, Domestic Revenue Traffic, 1936-1990

Domestic scheduled services

	Passengers carried (000s)	Passenger-kilometres (000s)	Average trip length (km)	Trips/ 1,000 pop. (no.)	Pass.- km/ pop. (km)	Goods carried (000 kg)	Mail carried (000 kg)	Goods tonne- km (000s)	Mail tonne- km (000s)	Kilo- metres flown (000s)	Popul. of Canada (000s)
1936	97.9	13,927	142	9	1	10,409	527	1,556	131	-	10,950
1937	101.1	17,311	171	9	2	11,025	572	2,735	137	-	11,045
1938	88.7	13,843	156	8	1	8,888	592	1,392	204	-	11,152
1939	95.4	33,483	351	8	3	8,782	807	1,412	623	-	11,267
1940	115.6	59,188	512	10	5	5,828	1,163	1,078	878	15,924	11,381
1941	138.4	80,352	581	12	7	6,850	1,357	1,381	1,262	17,767	11,507
1942	149.0	104,249	700	13	9	4,917	1,973	1,589	2,038	19,287	11,654
1943	186.3	147,917	794	16	13	4,784	2,698	1,962	2,943	22,150	11,795
1944	274.4	160,906	586	23	13	4,527	2,432	1,933	2,910	23,435	11,946
1945	320.5	186,397	582	27	15	5,239	2,201	1,734	2,508	24,733	12,072
1946	445.8	251,677	565	36	20	4,205	2,110	1,618	2,085	26,586	12,292
1947	462.3	288,681	624	37	23	4,552	2,534	2,347	2,230	27,554	12,551
1948	600.8	408,313	680	47	32	5,554	3,871	3,442	3,801	29,658	12,623
1949	709.3	504,137	711	53	37	8,043	5,347	4,411	5,524	32,331	12,447
1950	864.8	603,135	697	63	44	7,493	5,729	6,019	5,904	36,489	13,712
1951	1,053.7	725,876	689	75	52	8,744	6,082	6,640	6,379	49,780	14,009
1952	1,248.8	872,501	699	86	60	10,159	6,495	7,874	6,846	46,409	14,459
1953	1,419.6	1,010,798	712	96	68	10,836	7,244	9,305	7,687	50,123	14,845
1954	1,559.8	1,138,425	730	102	74	12,453	9,365	12,203	9,642	52,132	15,287
1955	1,797.2	1,279,087	712	114	81	16,149	10,282	16,164	10,648	58,553	15,698
1956	2,115.6	1,523,143	720	132	95	21,762	10,620	19,130	11,607	64,042	16,081
1957	2,393.9	1,727,088	721	144	104	21,073	11,845	22,033	12,806	71,918	16,610
1958	2,651.1	1,969,875	743	155	115	21,978	12,841	25,952	13,412	74,567	17,080
1959	3,098.3	2,332,119	753	177	133	26,940	13,348	28,314	14,372	84,080	17,483
1960	3,098.7	2,655,174	857	173	149	29,795	15,709	34,011	15,211	88,035	17,870
1961	3,304.3	3,167,793	959	181	174	29,433	16,215	37,866	15,942	83,013	18,238
1962	3,406.5	3,369,898	989	183	181	30,363	15,563	43,948	17,235	82,681	18,583
1963	3,421.2	3,383,952	989	181	179	30,949	17,333	47,989	18,977	80,563	19,931
1964	3,594.1	3,594,526	1,000	186	186	38,738	18,985	61,494	20,831	82,253	19,291
1965	4,137.3	4,220,125	1,020	211	215	45,408	20,288	75,635	22,935	90,401	19,644
1966	4,735.1	4,937,263	1,043	237	247	54,306	19,235	92,261	25,690	103,195	20,015
1967	5,787.5	6,138,470	1,081	284	301	57,798	21,562	100,260	28,513	126,454	20,378
1968	6,009.3	6,352,099	1,057	290	307	69,239	23,320	124,824	30,368	137,503	20,701
1969	6,849.5	7,107,585	1,038	326	338	72,129	25,087	138,651	36,360	147,837	21,001
1970	7,833.5	8,247,045	1,053	368	387	91,687	26,166	175,657	35,708	160,420	21,297
1971	8,255.5	8,333,766	1,009	383	386	98,078	29,277	191,676	44,220	160,887	21,568
1972	9,430.9	9,871,085	1,025	433	444	105,852	30,604	199,523	44,433	169,759	21,802
1973	11,928.6	12,126,006	1,017	541	550	112,613	34,556	211,582	51,329	194,738	22,043
1974	13,376.3	13,622,115	1,018	598	609	119,052	38,989	221,239	55,177	217,902	22,364
1975	13,841.4	14,111,009	1,019	610	622	129,362	35,809	251,564	51,532	228,883	22,697
1976	13,875.0	14,268,767	1,028	603	621	130,134	44,758	260,327	63,299	221,171	22,993
1977	14,513.7	14,597,206	1,008	624	627	134,983	47,083	251,688	69,747	217,519	23,273
1978	15,278.5	15,755,607	1,031	650	670	135,341	48,203	263,766	70,820	222,258	23,517
1979	17,455.9	18,670,716	1,070	735	786	141,273	48,416	284,323	75,950	246,585	23,747
1980	18,589.5	20,244,964	1,089	773	842	138,313	48,159	298,838	80,491	260,642	24,043
1981	18,484.5	20,550,168	1,113	759	844	126,231	49,036	270,518	83,272	273,780	24,342
1982	18,261.7	18,308,162	1,126	661	745	124,624	53,840	287,757	100,343	274,311	24,583
1983	15,353.5	17,624,929	1,148	619	711	122,590	58,520	291,973	94,312	257,700	24,787
1984	18,736.5	18,813,204	1,004	750	753	192,521	71,465	320,221	100,599	271,932	24,978
1985	19,801.2	19,399,599	890	779	771	198,488	72,356	344,641	104,295	301,249	25,165
1986	20,689.4	21,214,025	1,025	816	837	208,470	69,444	348,349	103,345	327,827	25,353
1987	21,061.7	21,580,001	1,025	822	842	207,629	60,545	374,770	91,910	351,907	25,617
1988	23,178.0	24,089,767	1,039	895	930	303,293	n/a	460,153	n/a	n/a	25,909
1989	23,068.0	23,964,092	1,039	879	913	314,044	n/a	475,680	n/a	n/a	26,240
1990	22,638.0	23,277,733	1,028	851	875	304,784	n/a	483,331	n/a	n/a	26,603

Average annual growth rates (%)

	Passengers carried	Passenger-kilometres	Average trip length	Trips/ 1,000 pop.	Pass.- km/ pop.	Goods carried	Mail carried	Goods tonne- km	Mail tonne- km	Kilo- metres flown	Popul.
1936-1950	16.8	30.9	12.0	15.0	28.8	-2.3	18.6	10.1	31.3	-	1.6
1950-1975	11.7	13.4	1.5	9.5	11.2	12.1	7.6	16.1	9.1	7.6	2.0
1975-1990	3.3	3.4	0.1	2.2	2.3	5.9	-	4.4	-	-	1.1
1981-1990	2.3	1.4	-0.9	1.3	0.4	10.3	-	6.7	-	-	1.0
1936-1990	10.4	14.4	3.7	8.6	12.6	6.3	-	11.0	-	-	1.6
1950-1990	8.5	9.6	1.0	6.7	7.8	9.7	-	11.6	-	-	1.7

Sources:

1936-1945: M.C. Urquhart and K. Buckley, eds., *Historical Statistics of Canada*, 1st ed. (Toronto: Macmillan, 1965), p. 551.

1946-1975: Statistics Canada, *Historical Statistics of Canada*, 2nd ed., ed. F.H. Leacy (Ottawa: Supply and Services, 1983), Series T199-T205.

1976-1987: Statistics Canada, *Air Carrier Operations in Canada*, Catalogue no. 51-002, October-December issues.

1988-1990: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 51-206, Table 2.2.

Population: 1936-1990: Statistics Canada, *Canadian Economic Observer, Historical Statistical Supplement 1990/1991*, Catalogue no. 11-210, July 1991, pp. 96-97.

Notes: 1) The quantity of mail carried includes international services from 1960 onward; 2) The term "goods" encompasses freight, express, and excess baggage up to 1987; it includes mail as well beginning in 1988; 3) Miles converted to kilometres by the factor 1.6093; pounds converted to kilograms by the factor 0.453592; ton - miles converted to tonne-km by the factor 1.46.

Transborder Traffic Via Canadian Air Carriers, 1941-1990

Scheduled services

	Passengers carried (000s)	Passenger- kilometres (000s)	Average trip length (km)	Trips/ 1,000 pop. (no.)	Pass.- km/ pop. (km)	Goods carried (000 kg)	Mail carried (000 kg)	Goods tonne- km (000s)	Mail tonne- km (000s)	Kilo- metres flown (000s)	Popul. of Canada (000s)
1941	3.3	381	116	0	0	4	1	0	1	60	11,507
1942	24.7	742	30	2	0	69	102	2	5	106	11,654
1943	11.0	1,099	100	1	0	18	158	5	5	122	11,795
1944	14.8	1,437	97	1	0	16	160	5	6	151	11,946
1945	34.1	25,274	741	3	2	93	144	74	107	2,668	12,072
1946	81.6	48,760	598	7	4	156	120	101	84	4,624	12,292
1947	122.0	58,671	485	10	5	299	146	145	77	5,295	12,551
1948	136.4	67,864	498	12	6	695	163	352	83	4,366	12,823
1949	151.1	76,671	509	13	6	783	159	419	86	3,806	13,447
1950	202.6	107,825	532	17	9	1,404	219	741	114	4,918	13,712
1951	254.1	130,073	512	21	11	2,143	241	1,123	125	5,299	14,009
1952	286.3	155,598	543	23	12	3,770	250	2,141	143	6,138	14,459
1953	340.7	187,348	550	27	15	4,454	249	2,582	146	6,965	14,845
1954	351.3	190,221	541	26	14	4,687	317	2,772	188	6,959	15,287
1955	429.7	232,162	540	31	17	5,132	338	2,941	206	8,919	15,698
1956	556.5	304,690	548	40	22	5,427	536	3,126	320	10,816	16,081
1957	665.0	363,602	547	46	25	5,362	845	2,738	500	11,888	16,610
1958	750.4	402,357	536	51	27	5,310	938	2,971	549	13,362	17,080
1959	848.0	457,489	539	55	30	5,694	870	3,110	509	14,838	17,483
1960	-	548,039	-	-	35	-	-	3,527	586	18,264	17,870
1961	-	504,358	-	-	31	-	-	3,427	584	13,441	18,238
1962	-	564,999	-	-	34	-	-	5,162	629	12,686	18,583
1963	-	579,506	-	-	34	-	-	5,668	688	11,188	18,931
1964	-	640,424	-	-	37	-	-	6,610	729	11,280	19,291
1965	-	677,770	-	-	38	-	-	7,968	759	12,477	19,644
1966	-	727,693	-	-	40	-	-	9,928	909	13,439	20,015
1967	-	906,684	-	-	49	-	-	9,851	941	16,439	20,378
1968	-	1,012,536	-	-	53	-	-	13,980	958	19,894	20,701
1969	-	1,185,660	-	-	61	-	-	15,945	1,081	21,487	21,001
1970	1,812.1	2,269,205	1,252	92	116	21,990	1,292	31,607	1,459	34,389	21,297
1971	1,879.3	2,232,279	1,188	94	112	23,389	2,496	33,211	2,839	31,418	21,568
1972	1,734.4	2,411,357	1,390	85	118	23,651	2,661	38,234	3,715	30,087	21,802
1973	1,773.7	2,732,352	1,540	86	132	23,835	3,375	39,436	4,732	31,768	22,043
1974	2,348.8	3,198,595	1,362	112	152	27,321	3,568	47,953	4,727	33,063	22,364
1975	2,496.2	3,640,126	1,458	117	171	27,297	3,216	48,201	5,117	38,491	22,697
1976	2,704.8	4,181,445	1,539	125	193	29,246	4,097	56,064	6,975	44,234	22,993
1977	2,742.6	4,277,545	1,560	126	196	27,889	4,077	57,983	6,902	41,970	23,273
1978	2,889.8	4,644,125	1,607	131	211	27,533	4,073	61,191	7,260	48,472	23,517
1979	3,510.1	5,743,924	1,636	157	257	33,482	4,365	74,601	7,947	51,441	23,747
1980	3,529.6	5,660,067	1,604	156	249	31,783	4,385	70,960	6,740	54,765	24,043
1981	3,234.3	5,137,840	1,589	141	223	30,823	4,168	78,062	6,632	52,480	24,342
1982	2,787.0	4,460,093	1,600	120	192	30,498	4,757	81,015	6,318	48,287	24,583
1983	2,635.8	4,344,934	1,648	112	185	29,954	5,853	90,333	7,174	47,600	24,787
1984	2,812.4	4,650,456	1,654	118	196	38,275	6,374	100,371	8,738	50,649	24,978
1985	2,716.1	4,479,630	1,649	113	186	36,721	6,157	97,915	9,217	51,884	25,165
1986	2,902.7	4,715,040	1,624	119	194	33,170	6,387	87,088	9,515	53,173	25,353
1987	3,038.2	4,525,469	1,490	124	184	31,671	5,556	82,842	9,056	51,748	25,617
1988	3,647.0	5,062,402	1,388	147	204	39,362	n/a	101,262	n/a	n/a	25,909
1989	4,143.0	5,653,265	1,365	166	226	40,420	n/a	112,036	n/a	n/a	26,240
1990	4,266.0	6,207,735	1,455	170	247	42,750	n/a	121,147	n/a	n/a	26,603

Average annual growth rates (%)

1941-1950	58.0	87.2	18.5	56.3	85.2	93.9	84.0	128.4	62.3	63.3	2.0
1950-1975	10.6	15.1	4.1	8.1	12.5	12.6	11.3	18.2	16.4	8.6	2.0
1975-1990	3.6	3.6	-0.0	2.5	2.5	3.0	-	6.3	-	-	1.1
1981-1990	3.1	2.1	-1.0	2.1	1.1	3.7	-	5.0	-	-	1.0
1941-1990	15.7	21.9	5.3	13.8	19.8	21.1	-	29.1	-	-	1.7
1950-1990	7.9	10.7	2.5	6.0	8.7	8.9	-	13.6	-	-	1.7

Sources:

1941-1945: M.C. Urquhart and K. Buckley, eds., *Historical Statistics of Canada*, 1st ed. (Toronto: Macmillan, 1965), p. 552, Series 254-260.
 1946-1975: Statistics Canada, *Historical Statistics of Canada*, 2nd ed., ed. F.H. Leacy (Ottawa: Supply and Services, 1983), Series T209-T215.
 1976-1987: Statistics Canada, *Air Carrier Operations in Canada*, Catalogue no. 51-002, October-December issues.
 1988-1990: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 512-206, Table 2.2.
 Population: 1941-1990: Statistics Canada, *Canadian Economic Observer, Historical Statistical Supplement 1990/1991*, Catalogue no. 11-210, July 1991, pp. 96-97.

Notes: 1) Beginning in 1970, services to Hawaii and Florida were classified as "transborder". Prior to 1970, flights to Florida were counted in "Southern" services, and flights to Hawaii were counted in the total for "Pacific" services; 2) The term "goods" encompasses freight, express, and excess baggage up to 1987; it includes mail as well beginning in 1988; 3) Miles converted to kilometres by the factor 1.6093; pounds converted to kilograms by the factor 0.453592; ton-miles converted to tonne-km by the factor 1.46.

Traffic Along Trans Atlantic and Pacific Routes of Canadian Commercial Airlines, 1947–1990

Scheduled services

	Passengers carried (^{000s})	Passenger- kilometres (^{000s})	Average trip length (km)	Trips/ 1,000 pop. (no.)	Pass.- km/ pop. (km)	Goods carried (^{000 kg})	Mail carried (^{000 kg})	Goods tonne- km (^{000s})	Mail tonne- km (^{000s})	Kilo- metres flown (^{000s})	Popul. of Canada (^{000s})
1947	15.8	81,060	5,130	1	7	185	69	775	367	3,841	12,551
1948	32.8	161,793	4,933	3	15	340	104	1,437	540	7,398	12,823
1949	37.4	162,369	4,342	3	15	570	113	2,309	607	7,367	13,447
1950	37.5	160,778	4,267	3	14	610	118	2,463	641	7,351	13,712
1951	54.4	251,136	4,618	5	22	734	154	2,901	832	10,179	14,009
1952	56.2	203,586	3,623	5	18	851	205	3,523	1,127	7,803	14,459
1953	62.4	243,139	3,896	5	21	870	256	3,777	1,376	8,706	14,845
1954	75.2	317,885	4,227	6	27	1,019	370	4,901	2,052	9,408	15,287
1955	84.2	380,250	4,516	7	32	1,174	386	6,438	2,194	10,729	15,698
1956	124.7	554,981	4,450	10	46	1,441	442	8,891	2,517	15,370	16,081
1957	158.3	705,601	4,457	13	57	1,549	583	9,390	3,358	19,949	16,610
1958	197.8	904,585	4,573	16	72	1,633	658	9,644	3,888	23,818	17,080
1959	230.2	1,004,136	4,362	18	78	2,050	706	11,654	4,267	25,672	17,483
1960	—	910,452	—	—	68	—	—	12,547	3,847	17,142	17,870
1961	—	1,062,825	—	—	78	—	—	12,387	3,596	19,069	18,238
1962	—	1,183,656	—	—	84	—	—	14,805	3,850	19,548	18,583
1963	—	1,327,489	—	—	92	—	—	20,004	5,041	21,837	18,931
1964	—	1,472,429	—	—	99	—	—	25,795	5,011	19,698	19,291
1965	—	1,961,056	—	—	128	—	—	36,406	6,840	25,483	19,644
1966	—	2,462,863	—	—	157	—	—	48,899	8,294	31,597	20,015
1967	—	3,047,358	—	—	190	—	—	62,874	10,085	40,192	20,378
1968	—	3,356,288	—	—	202	—	—	102,316	10,310	46,145	20,701
1969	—	3,380,970	—	—	198	—	—	135,310	11,169	47,944	21,001
1970	610.0	3,929,383	6,442	35	225	25,935	1,864	146,597	14,346	49,549	21,297
1971	633.4	3,726,967	5,884	35	209	26,172	2,959	167,234	20,784	50,226	21,568
1972	866.4	5,220,210	6,025	48	286	30,909	3,809	192,057	25,997	50,258	21,802
1973	976.5	5,809,311	5,949	53	313	32,949	4,088	212,569	27,385	56,371	22,043
1974	1,070.2	6,493,437	6,067	57	343	34,955	4,616	221,723	30,481	56,947	22,364
1975	975.8	5,973,612	6,122	51	310	33,682	5,182	210,363	34,170	52,618	22,697
1976	1,063.1	6,571,067	6,181	54	335	35,316	6,326	229,553	41,323	46,108	22,993
1977	1,175.6	7,292,060	6,203	59	364	32,561	6,316	224,249	42,653	43,677	23,273
1978	1,188.4	7,581,690	6,380	58	372	37,635	5,816	266,322	40,604	42,815	23,517
1979	1,340.6	8,403,914	6,269	65	406	45,088	6,167	299,545	39,217	44,496	23,747
1980	1,333.3	8,623,125	6,468	63	411	47,178	6,816	318,872	41,738	45,956	24,043
1981	1,288.9	8,406,531	6,522	61	395	49,213	6,749	349,772	42,183	45,808	24,342
1982	1,270.7	8,314,579	6,543	59	385	49,921	6,529	366,894	40,935	46,422	24,583
1983	1,292.9	8,369,672	6,473	59	384	57,371	5,895	424,026	35,147	45,031	24,787
1984	1,521.6	9,626,845	6,327	69	437	74,413	2,351	524,637	16,974	48,987	24,978
1985	1,596.7	10,413,347	6,522	71	466	73,021	2,500	525,789	18,228	53,994	25,165
1986	1,829.7	11,929,546	6,520	81	526	73,276	3,214	556,554	22,033	69,303	25,353
1987	2,001.5	13,103,966	6,547	87	570	73,297	2,556	557,440	17,840	70,389	25,617
1988	3,355.0	19,584,861	5,838	144	842	129,199	n/a	812,745	n/a	n/a	25,909
1989	3,530.0	20,773,164	5,885	150	883	136,395	n/a	874,833	n/a	n/a	26,240
1990	3,422.0	20,638,365	6,031	144	869	147,755	n/a	954,121	n/a	n/a	26,603

Average annual growth rates (%)

1947–1950	33.4	25.6	–5.8	32.1	24.5	48.8	19.6	47.0	20.4	24.2	3.0
1950–1975	13.9	15.6	1.4	11.5	13.1	17.4	16.3	19.5	17.2	8.2	2.0
1975–1990	8.7	8.6	–0.1	7.2	7.1	10.4	—	10.6	—	—	1.1
1981–1990	11.5	10.5	–0.9	10.1	9.2	13.0	—	11.8	—	—	1.0
1947–1990	13.3	13.7	0.4	11.3	11.7	16.8	—	18.0	—	—	1.8
1950–1990	11.9	12.9	0.9	9.9	10.8	14.7	—	16.1	—	—	1.7

Sources:

1947–1975: Statistics Canada, *Historical Statistics of Canada*, 2nd ed., ed. F.H. Leacy (Ottawa: Supply and Services, 1983), Series T216–T222.

1976–1987: Statistics Canada, *Air Carrier Operations in Canada*, Catalogue no. 51–002, October–December issues.

1988–1990: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 512–206, Table 2.2.

Population: 1947–1990: Statistics Canada, *Canadian Economic Observer, Historical Statistical Supplement 1990/1991*, Catalogue no. 11–210, July 1991, pp. 96–97.

Notes: Beginning in 1970, services to Hawaii and Florida were classified as "transborder". Prior to 1970, flights to Florida were counted in "Southern" services, and flights to Hawaii were counted in the total for "Pacific" services;

Data exclude "Southern" services (i.e. trips to the Caribbean and South America).

The term "goods" encompasses freight, express, and excess baggage up to 1987; it includes mail as well beginning in 1988.

Goods data from 1988–1990 are for all international operations.

Miles converted to kilometres by the factor 1.6093; pounds converted to kilograms by the factor 0.453592; ton–miles converted to tonne–km by the factor 1.46.

A Summary of the Definitions Used to Classify Domestic Air Carriers, 1981 and 1988 Revisions

1981 Level Definitions

- Level I:** any air carrier licensed to operate a Class 1, 2, 3, 4, 8, 9-2, 9-3, or 9-4 fixed wing commercial air service that carried 500,000 or more enplaned passengers and/or moved 100,000 tonnes or more of enplaned goods, and derived gross revenues of \$500,000 or more in the two years immediately preceding the reporting year.
- Level II:** any air carrier not already listed in Level I licensed to operate a Class 1, 2, 3, 4, 8, 9-2, 9-3, or 9-4 fixed wing commercial air service that carried 50,000 or more enplaned passengers and/or moved 10,000 tonnes or more of enplaned goods, and derived gross revenues of \$500,000 or more in the two years immediately preceding the reporting year.
- Level III:** any air carrier not already assigned to reporting levels I, II, V, VI or VII, that was licensed to operate a Class 1, 2, 8, or 9-2 fixed wing commercial air service, and derived annual gross revenues of \$500,000 or more from its operations in each of the two years immediately preceding the reporting year.
- Level IV:** any air carrier not already assigned to reporting levels V, VI or VII, that was licensed to operate a Class 1, 2, 8, or 9-2 fixed wing commercial air service and derived annual gross revenues of less than \$500,000 from its operations in each of the two years immediately preceding the reporting year.
- Level V:** any carrier regardless of revenues earned that was licensed to fly only Class 6 or Class 7 fixed wing commercial air services (e.g. photography, training, crop dusting, etc.).
- Level VI:** any carrier regardless of revenues earned that held no license other than one or more that authorized Class 6 commercial air services.
- Level VII:** any air carrier regardless of revenues earned that held no license other than one or more that authorized any or all of Class 4, Class 9-4, Class 5 or Class 9-5 commercial air services restricted to serving the transportation requirements of a lodge operation.

With the introduction of the National Transportation Act of 1987 the various reporting levels were redefined. The revisions are as follows:

1988 Level Definitions

- Level I:** includes every Canadian air carrier not classified in Report Level VI that, in each of the two calendar years immediately preceding the reporting year, transported at least 1,000,000 revenue passengers or at least 200,000 tonnes of revenue goods.
- Level II:** includes every Canadian air carrier not classified in Report Level VI that, in each of the two calendar years immediately preceding the reporting year, transported 50,000 revenue passengers or more, but fewer than 1,000,000 revenue passengers, or 10,000 tonnes of revenue goods or more but less than 200,000 tonnes of revenue goods.
- Level III:** includes every Canadian air carrier not classified in Report Level VI that, in each of the two calendar years immediately preceding the reporting year, transported 5,000 revenue passengers or more, but fewer than 50,000 revenue passengers, or 1,000 tonnes of revenue goods or more but less than 10,000 tonnes of revenue goods.
- Level IV:** includes every Canadian air carrier not classified in Level I, II, III, or VI that, in each of the two calendar years immediately preceding the reporting year, realized annual gross revenues of \$250,000 or more for the air services for which the air carrier held a license.
- Level V:** includes every Canadian air carrier not classified in Level I, II, III, or VI that, in each of the two calendar years immediately preceding the reporting year, realized annual gross revenues of less than \$250,000 for the air services for which the air carrier held a license.
- Level VI:** includes every Canadian air carrier that, in the reporting year, operated an air service for which the carrier held a license for the sole purpose of serving the needs of a lodge operation.

Sources:

1981 level definitions: Statistics Canada, *Canadian Civil Aviation 1987*, Catalogue no. 51-206, December 1988, pp. 47-49.

1988 level definitions: Statistics Canada, *Canadian Civil Aviation 1988*, Catalogue no. 51-206, June 1990, p. 48.

Classification of Air Services

- Class 1:** Scheduled commercial air service, being a service that is operated between points in Canada and that is required to provide public transportation of persons, goods or mail by aircraft, serving points in accordance with a service schedule at a toll per unit of traffic.
- Class 2:** Regular specific point commercial air service, being a service that is operated between points in Canada and that is required to provide, to the extent that facilities are available, public transportation of persons, goods or mail by aircraft, serving points in accordance with a service pattern at a toll per unit of traffic.
- Class 3:** Specific point commercial air service, being a service that is operated between points in Canada and that offers public transportation of persons, goods or mail by aircraft, serving points consistent with traffic requirements and operating conditions at a toll per unit of traffic.
- Class 4:** Charter commercial air service being a service that offers public transportation of persons or goods on reasonable demand from the base specified or the protected base denoted in the license issued for that commercial air service, or from or to any other point in Canada in accordance with these Regulations and the Class 4 positioning charges regulations, at a toll per mile or per hour for the charter of an entire aircraft with crew, or at such tolls as may be allowed by the Committee, and includes the additional authority to perform the following Class 7 Specialty commercial air services with aircraft that the carrier may use pursuant to the terms and conditions of a Class 4 license: i) aerial application and distribution, ii) aerial construction, iii) aerial control, iv) aerial inspection and advertising, v) aerial photography and surveying, vi) recreational flying.
- Class 5:** Contract commercial air service, being a service that is operated wholly within Canada from the base specified in the license issued for that service, that offers transportation of persons or goods solely under contracts of carriage with users with whom the air carrier has a substantial relationship through corporate structure, or financial control and that does not hold out to the general public, or a class of segment thereof, the offer of air transportation.
- Class 6:** Flying club commercial air service, being a service that is operated from the base in Canada specified in the license issued and that provides flying training and recreational flying to members of a flying club incorporated as a non-profit organization.
- Class 7:** Specialty commercial air service, being a service that is operated from the base specified in the license issued for that commercial air service or from or to any other point in Canada where the licensee performs any of the activities specified under a Class 4 license.
- Class 8:** International scheduled commercial air service, being a service that is operated between points in Canada and points in any other country and that is required to provide public transportation of persons, goods or mail by aircraft, serving such points in accordance with a service schedule at a toll per unit of traffic.
- Class 9-2:** International regular specific point commercial air service, being a service that is operated between points in Canada and points in any other country and that is required to provide, to the extent that facilities are available, public transportation of persons, goods or mail by aircraft, serving such points in accordance with a service pattern at a toll per unit of traffic.
- Class 9-3:** International specific point commercial air service, being a service that is operated between points in Canada and points in any other country and that offers public transportation of persons, goods or mail by aircraft, serving such points consistent with traffic requirements and operating conditions at a toll per unit of traffic.
- Class 9-4:** International charter commercial air service, being a service that is operated between Canada and any area outside Canada and that offers public transportation of persons or goods on reasonable demand at a toll per mile or per hour for the charter of the entire aircraft with crew, or at such tolls as may be allowed by the Committee.
- Class 9-5:** International contract commercial air service, being a service that is operated between Canada and any other country from the base specified in the license issued for that service, that offer transportation of persons or goods solely under contracts of carriage with users with whom the air carrier has a substantial relationship through corporate structure or financial control and that does not hold out to the general public, or a class or segment thereof, the offer of air transportation.

Source: Statistics Canada, *Canadian Civil Aviation 1987*, Catalogue no. 51-206, December 1988, pp. 51-55.

The Extent of Airline "Families" in Canadian Commercial Aviation, 1987-1990

Scheduled services

	Passenger revenues (\$ millions)	Share of total	Passengers ('000s)	Share of total	Passenger- kilometres ('000s)	Share of total	Hours flown ('000s)	Share of total
1990								
Air Canada	2,671	46.3	12,971	42.8	24,504	48.9	354	27.8
AC affiliates	447	7.7	4,063	13.4	1,688	3.4	208	16.3
Subtotal	3,118	54.0	17,034	56.2	26,192	52.3	562	44.1
Canadian	2,116	36.7	8,550	28.2	21,624	43.1	300	23.5
CAIL affiliates	268	4.6	2,552	8.4	1,024	2.0	167	13.1
Subtotal	2,384	41.3	11,102	36.6	22,648	45.2	467	36.6
Total "families"	5,502	95.4	28,136	92.8	48,839	97.4	1,029	80.7
Independents	267	4.6	2,188	7.2	1,284	2.6	246	19.3
Grand total	5,769	100.0	30,324	100.0	50,124	100.0	1,275	100.0
1989								
Air Canada	2,553	47.2	13,693	44.6	23,916	47.5	361	28.7
AC affiliates	330	6.1	3,389	11.0	1,356	2.7	168	13.4
Subtotal	2,882	53.2	17,082	55.6	25,272	50.2	529	42.1
Canadian	1,674	30.9	7,675	25.0	17,521	34.8	263	20.9
CAIL affiliates	315	5.8	3,087	10.0	1,269	2.5	213	17.0
Subtotal	1,989	36.7	10,762	35.0	18,791	37.3	476	37.9
Total "families"	4,871	90.0	27,844	90.6	44,063	87.4	1,005	80.0
Wardair	376	6.9	1,425	4.6	5,246	10.4	53	4.2
Independents	166	3.1	1,465	4.8	1,081	2.1	198	15.8
Subtotal	542	10.0	2,890	9.4	6,327	12.6	251	20.0
Grand total	5,413	100.0	30,734	100.0	50,391	100.0	1,256	100.0
1988								
Air Canada	2,355	47.5	13,680	45.3	22,811	46.8	342	29.7
AC affiliates	202	4.1	2,282	7.6	854	1.8	132	11.4
Subtotal	2,557	51.6	15,962	52.9	23,664	48.6	474	41.1
Canadian	1,712	34.5	8,814	29.2	17,925	36.8	282	24.5
CAIL affiliates	235	4.7	2,541	8.4	926	1.9	160	13.9
Subtotal	1,947	39.3	11,355	37.6	18,850	38.7	442	38.3
Total "families"	4,504	90.8	27,317	90.5	42,515	87.2	916	79.4
Wardair	317	6.4	1,434	4.8	5,232	10.7	47	4.1
Independents	139	2.8	1,425	4.7	990	2.0	190	16.5
Subtotal	456	9.2	2,859	9.5	6,222	12.8	237	20.6
Grand total	4,960	100.0	30,176	100.0	48,737	100.0	1,153	100.0
1987								
Air Canada	2,205	47.5	12,562	46.9	20,975	50.4	319	33.3
AC affiliates	140	3.0	1,805	6.7	599	1.4	114	11.9
Subtotal	2,345	50.5	14,367	53.6	21,573	51.8	433	45.2
Canadian	1,519	32.7	8,507	31.8	15,477	37.2	246	25.7
CAIL affiliates	156	3.4	1,809	6.8	653	1.6	93	9.7
Subtotal	1,676	36.1	10,316	38.5	16,130	38.7	339	35.3
Total "families"	4,021	86.5	24,683	92.1	37,703	90.5	772	80.5
Wardair	201	4.3	805	3.0	3,407	8.2	23	2.4
Independents	425	9.1	1,303	4.9	533	1.3	184	17.1
Subtotal	626	13.5	2,108	7.9	3,941	9.5	187	19.5
Grand total	4,646	100.0	26,791	100.0	41,644	100.0	959	100.0

Source: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 51-206, issue years 1988-1990, Text Table 1. Data for 1987 and passenger revenues for all years are based on unpublished statistics. Revised information has been used, where possible, and the independents are treated as a residual.

Notes: Air Canada affiliates for 1987-1990: Air Alliance, Air BC, Air Ontario, Air Nova, Air Toronto (formerly Commuter Express or Soundair), NW Territorial; Canadian affiliates for 1990: Air Atlantic, Calm Air, Ontario Express, Time Air. Canadian affiliates for 1988-1989: the above, Québecair and Les Lignes Aériennes Inter Québec; Canadian affiliates for 1987: the carriers for 1990 and Nordair Metro, Québec Aviation, Norcanair, and Québecair.

Revenue data for Canadian for 1987 include the fourth quarter results of PWA Corp; total passenger revenues for 1987 are estimated.

Civil Aviation Revenues, Expenses, Profits, and Number of Carriers, Levels I-V, 1981-1990

	Level I	Level II	Level III	Level IV	Levels I-IV	Level V	All levels
1. Total operating revenues (\$ '000s)							
1981	3,837,896	125,479	470,446	145,680	4,579,501	69,344	4,648,846
1982	3,882,281	121,960	462,668	146,068	4,612,977	66,453	4,679,430
1983	3,869,801	128,269	455,742	156,979	4,610,791	64,919	4,675,710
1984	4,215,198	144,887	484,067	182,685	5,026,838	65,731	5,092,569
1985	4,623,685	270,980	502,951	223,754	5,621,370	-	5,621,370
1986	4,870,435	342,058	600,664	167,662	5,980,819	-	5,980,819
1987	5,032,964	469,733	710,692	172,891	6,386,280	-	6,386,280
1987R	4,924,309	-	-	-	6,274,154	-	6,274,154
1988	5,513,328	836,090	294,280	492,677	7,136,375	-	7,136,375
1989	5,712,031	1,151,757	356,011	617,758	7,837,557	-	7,837,557
1990	5,782,056	1,643,090	293,846	512,867	8,231,859	-	8,231,859
2. Total operating expenses (\$ '000s)							
1981	3,731,631	113,024	441,456	145,738	4,431,850	62,518	4,494,367
1982	3,931,421	113,969	440,523	148,749	4,634,661	57,963	4,692,624
1983	3,849,526	116,644	429,933	154,790	4,550,892	57,793	4,608,685
1984	4,104,966	133,786	456,165	177,882	4,872,800	58,653	4,931,453
1985	4,572,069	255,770	470,494	221,585	5,519,919	-	5,519,919
1986	4,658,880	322,035	584,837	172,667	5,738,418	-	5,738,418
1987	4,770,461	432,355	652,559	169,339	6,024,715	-	6,024,715
1987R	4,665,343	-	-	-	5,911,307	-	5,911,307
1988	5,353,170	791,753	284,328	444,330	6,873,581	-	6,873,581
1989	5,728,956	1,093,805	345,937	572,395	7,741,093	-	7,741,093
1990	5,887,661	1,607,681	286,418	446,333	8,228,093	-	8,228,093
3. Operating income or loss (\$ '000s)							
1981	106,265	12,455	28,990	-58	147,652	6,827	154,478
1982	-49,141	7,992	22,145	-2,681	-21,684	8,490	-13,194
1983	20,275	11,625	25,809	2,189	59,898	7,126	67,025
1984	110,232	11,101	27,902	4,803	154,038	7,078	161,117
1985	51,616	15,210	32,457	2,169	101,451	-	101,451
1986	211,555	20,023	15,827	-5,005	242,400	-	242,400
1987	262,503	37,378	58,133	3,551	361,565	-	361,565
1987R	258,966	-	-	-	362,847	-	362,847
1988	160,158	44,337	9,952	48,347	262,794	-	262,794
1989	-16,925	57,952	10,074	45,363	96,464	-	96,464
1990	-105,605	35,409	7,428	66,534	3,766	-	3,766
4. Number of air carriers based on 1981 and revised 1988 level definitions							
1971	3	7	101	249	360	-	360
1976	8	7	173	239	427	-	427
1980	7	14	216	306	543	-	543
1981	7	9	122	429	567	217	784
1982	7	8	109	410	534	197	731
1983	7	8	109	453	577	216	793
1984	7	8	102	463	580	214	794
1985	7	10	126	461	604	-	604
1986	7	10	164	502	683	-	683
1987	5	9	169	501	684	-	684
1987R	3	20	74	201	298	-	298
1988R	3	16	77	184	280	-	280
1989R	3	19	69	180	271	-	271
1990	2	25	77	181	285	-	285

Source: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 51-206, issue years 1981-1990.

Notes: 1) Owing to changes in level definitions for 1988, data from before and after the changes are shown to provide some indication of the magnitude of the adjustments; 2) Unrevised data for 1988 and 1989 are shown because revised data provided no breakdown by level.

Civil Aviation Operating Revenues by Type of Service, Levels I-V, 1981-1990

	Level I	Level II	Level III	Level IV	Levels I-IV	Level V	All levels
1. Unit toll services (\$ '000s)							
1981	3,256,707	73,706	42,816	2,103	3,375,331	-	3,375,331
1982	3,258,422	80,667	55,172	4,691	3,398,953	-	3,398,953
1983	3,260,123	85,356	54,189	5,640	3,405,308	-	3,405,308
1984	3,577,836	96,402	71,381	6,550	3,752,169	-	3,752,169
1985	3,901,366	142,957	82,080	8,950	4,135,354	-	4,135,354
1986	4,231,046	184,602	103,200	30,515	4,549,363	-	4,549,363
1987	4,438,670	184,709	203,531	7,923	4,834,833	-	4,834,833
1987R	4,351,591	-	-	-	4,831,212	-	4,831,212
1988	4,929,664	479,363	106,938	48,689	5,564,654	-	5,564,654
1989	5,140,842	722,431	103,709	43,489	6,010,471	-	6,010,471
1990	5,357,714	974,227	70,748	18,512	6,421,201	-	6,421,201
2. Charter services (\$ '000s)							
1981	483,128	45,997	341,226	97,845	968,196	-	968,196
1982	533,113	34,089	326,454	93,664	987,320	2,711	990,031
1983	496,033	36,385	321,287	95,763	949,468	226	949,694
1984	508,080	41,119	342,352	121,225	1,012,776	-	1,012,776
1985	577,858	117,420	334,041	149,138	1,178,457	-	1,178,457
1986	484,490	139,468	403,830	85,191	1,112,979	-	1,112,979
1987	412,743	268,541	405,274	105,652	1,192,209	-	1,192,209
1987R	398,045	-	-	-	1,132,475	-	1,132,475
1988	413,268	319,090	125,070	387,032	1,244,460	-	1,244,460
1989	309,795	380,582	219,686	531,105	1,441,168	-	1,441,168
1990	210,158	586,829	192,846	457,044	1,446,877	-	1,446,877
3. Other flying services (\$ '000s)							
1981	8,416	704	25,426	27,771	62,318	64,339	126,657
1982	7,355	49	25,483	23,667	56,554	55,179	111,733
1983	7,076	26	30,390	26,923	64,415	56,180	120,594
1984	7,394	26	13,618	29,281	50,318	57,099	107,418
1985	9,159	12	23,167	38,811	71,148	-	71,148
1986	9,197	19	30,969	24,555	64,739	-	64,739
1987	12,341	3,752	36,590	27,644	80,328	-	80,328
1987R	12,341	-	-	-	50,189	-	50,189
1988	6,229	4,121	9,212	26,587	46,149	-	46,149
1989	4,470	1,920	9,709	24,330	40,429	-	40,429
1990	-	7,540	10,021	18,897	36,458	-	36,458
4. Incidental air transport-related revenues and subsidies (\$ '000s)							
1981	89,646	5,071	60,978	17,962	173,657	5,005	178,661
1982	83,391	7,154	55,559	24,046	170,150	8,563	178,713
1983	106,569	6,503	49,876	28,652	191,600	8,514	200,114
1984	121,888	7,340	56,717	25,629	211,575	8,632	220,207
1985	135,302	10,590	63,663	26,855	236,410	-	236,410
1986	145,702	17,969	62,666	27,401	253,738	-	253,738
1987	169,210	12,731	65,298	31,672	278,910	-	278,910
1987R	162,332	-	-	-	260,279	-	260,279
1988	164,168	33,516	53,060	30,369	281,113	-	281,113
1989	256,925	46,824	22,907	18,834	345,490	-	345,490
1990	214,183	74,494	20,232	18,415	327,324	-	327,324
5. Total operating revenues (\$ '000s)							
1981	3,837,896	125,479	470,446	145,680	4,579,501	69,344	4,648,846
1982	3,882,281	121,960	462,668	146,068	4,612,977	66,453	4,679,430
1983	3,869,801	128,269	455,742	156,979	4,610,791	64,919	4,675,710
1984	4,215,198	144,887	484,067	182,685	5,026,838	65,731	5,092,569
1985	4,623,685	270,980	502,951	223,754	5,621,370	-	5,621,370
1986	4,870,435	342,058	600,664	167,662	5,980,819	-	5,980,819
1987	5,032,964	469,733	710,692	172,891	6,386,280	-	6,386,280
1987R	4,924,309	-	-	-	4,924,309	-	6,274,155
1988	5,513,329	836,090	294,280	492,677	7,136,376	-	7,136,376
1989	5,712,032	1,151,757	356,011	617,758	7,837,558	-	7,837,558
1990	5,782,055	1,643,090	293,847	512,868	8,231,860	-	8,231,860

Source: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 51-206, issue years 1981-1990.

Notes: 1) Owing to changes in level definitions for 1988, data from before and after the changes are shown to provide some indication of the magnitude of the adjustments; 2) Unrevised data for 1988 and 1989 are shown because revised data provided no breakdown by level.

Revenues From Passenger and Goods Transportation, Canadian Civil Aviation, Levels I-IV, Unit Toll and Charter Services, 1981-1990

(Revenues are in \$ millions, and passenger/tonne-km are in millions as well)

Passenger revenues			Residual			7	Passenger-kilometres			Yields (c)			
1	2	3	4	5	6		8	9	10	11	12	13	
		(1+2)			(4+5)	(3+6)			(8+9)	(1+4)/8	(2+5)/9	(3+6)/10	
Unit toll (UTS)	Charter (CHT)	Total pass. revenues	Unit toll	Charter	Total residual	Grand total pass. revenues	Unit-toll pass.-km	Charter pass.-km	Total pass.-km	UTS rev./pass.-km	CHT rev./pass.-km	Total rev./pass.-km	
1981	2,961.7	494.6	3,456.3	329.8	55.1	384.9	3,841.1	35,741	10,345	46,086	9.21	5.31	8.33
1982	2,943.4	574.3	3,517.6	284.4	55.5	339.9	3,857.5	32,528	11,651	44,179	9.92	5.41	8.73
1983	2,957.7	504.2	3,462.0	295.5	50.4	345.9	3,807.9	31,710	11,860	43,570	10.26	4.76	8.78
1984	3,248.9	561.4	3,810.3	299.5	51.8	351.2	4,161.6	34,642	11,802	46,444	10.24	5.20	8.96
1985	3,568.8	636.8	4,205.4	359.1	64.1	423.1	4,628.5	36,605	12,975	49,580	10.73	5.40	9.34
1986	3,974.3	811.0	4,585.3	335.9	51.6	387.5	4,972.8	40,035	12,135	52,170	10.77	5.46	9.53
1987	4,250.8	842.0	4,892.6	395.7	59.8	455.4	5,348.0	41,644	10,356	52,000	11.16	6.78	10.28
1988	4,959.7	1,079.1	6,038.9	-	-	-	6,038.9	48,737	15,105	63,842	10.18	7.14	9.46
1989	5,412.9	1,204.6	6,617.4	-	-	-	6,617.4	50,391	17,732	68,123	10.74	6.79	9.71
1990	5,774.8	1,197.7	6,972.5	-	-	-	6,972.5	50,124	19,264	69,388	11.52	6.22	10.05

Goods revenues			Residual			20	Tonne-kilometres			Yields (c)		
14	15	16	17	18	19		21	22	23	24	25	26
		(14+15)			(17+18)	(16+19)			(21+22)	14+17/21	15+18/22	16+19/23
Unit toll	Charter	Total goods revenues	Unit toll	Charter	Total residual	Grand total goods revenues	Unit-Toll tonne-km	Charter tonne-km	Total tonne-km	UTS rev./tonne-km	CHT rev./tonne-km	Total rev./tonne-km
1981	425.4	26.8	452.0	47.4	3.0	50.3	502.4	865.3	-	54.8	-	-
1982	460.0	24.7	484.6	44.4	2.4	46.8	531.5	918.9	-	54.9	-	-
1983	452.7	44.8	497.5	45.2	4.5	49.7	547.2	975.9	-	51.0	-	-
1984	504.1	48.4	552.4	46.5	4.5	50.9	603.4	1,120.8	-	49.1	-	-
1985	570.2	52.5	622.6	57.4	5.3	62.6	685.3	1,171.8	-	53.6	-	-
1986	580.5	55.3	635.8	49.1	4.7	53.7	689.5	1,202.9	-	52.3	-	-
1987	568.8	54.4	621.2	52.8	5.1	57.8	679.0	1,239.4	-	50.0	-	-
1988	604.8	185.7	770.4	-	-	-	770.4	1,389.5	224.0	43.5	11.9	28.0
1989	610.5	287.0	877.5	-	-	-	877.5	1,462.5	239.8	41.7	10.3	28.5
1990	646.4	249.2	895.6	-	-	-	895.6	1,558.6	120.8	41.5	37.1	29.6

Shares needed to decompose the residual										36	37
27	28	29	30	31	32	33	34	35			
	(3+16)	(27-28)	(3/28)	(16/28)	(1/3)	(2/3)	(13/16)	(14/16)			(7/36)
Total UTS/CHT oper. rev.	Total pass./goods rev.	Residual	Pass. share/total rev.	Goods share/total rev.	UTS share/pass. rev.	CHT share/pass. rev.	UTS share/goods rev.	CHT share/goods rev.	Total operating revenues		Pass. share/oper. rev.
1981	4,343.5	3,908.3	435.2	88.4%	11.6%	85.7%	14.3%	5.9%	4,579.5		83.9%
1982	4,389.0	4,002.3	386.7	87.9%	12.1%	83.7%	16.3%	5.1%	4,613.0		83.6%
1983	4,355.0	3,959.4	395.6	87.4%	12.6%	85.4%	14.6%	9.0%	4,610.8		82.6%
1984	4,764.9	4,362.8	402.2	87.3%	12.7%	85.3%	14.7%	8.8%	5,026.8		82.8%
1985	5,313.8	4,826.0	485.8	87.1%	12.9%	84.9%	15.1%	8.4%	5,621.4		82.3%
1986	5,662.3	5,221.1	441.3	87.8%	12.2%	88.7%	13.3%	8.7%	5,980.8		83.1%
1987	6,027.0	5,513.8	513.2	88.7%	11.3%	86.9%	13.1%	8.8%	6,386.3		83.7%
1988	6,809.3	6,809.3	-	88.7%	11.3%	82.1%	17.9%	21.5%	7,136.8		84.6%
1989	7,494.9	7,494.9	-	88.3%	11.7%	81.8%	18.2%	30.4%	7,888.3		83.9%
1990	7,868.1	7,868.1	-	88.6%	11.4%	82.8%	17.2%	27.8%	8,231.9		84.7%

Sources:

Revenues: Cols. 1, 2, 14, and 15 from unpublished Statistics Canada data; Cols 27 and 36 from SC, *Canadian Civil Aviation*, Catalogue no. 51-208.

Passenger and tonne-kilometres:

Unit toll services:

1981: Statistics Canada, *Air Carrier Operations in Canada*, Catalogue no. 51-002, October-December issues, Table 2.1982-1986: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 51-206, Table 2.1987-1990: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 51-206, Table 2.1.

Charter: Charter passenger-kilometres were derived by subtracting the unit toll data just mentioned from the estimate of total passenger-kilometres shown in Table C-1.1.

Notes: This table develops a basis for splitting unit toll and charter revenues into passenger and freight components. Columns 1, 2, 14, and 15 are from unpublished quarterly statements and sum to somewhat less than total passenger and goods revenues for years prior to 1988. The residual has been allocated based on the revenue shares out of total passenger and goods revenues (Column 28). This was done so that proper yields per passenger/tonne-kilometre could be derived.

Total operating revenues (Column 36) include incidental revenues and revenue from other flying services in addition to unit toll and charter revenues.

Revised data have been used wherever possible.

Total Passengers Carried and Passenger-Kilometres Travelled by Levels I-V Air Carriers, 1981-1990

	Level I	Level II	Level III	Level IV	Levels I-IV	Level V	All levels
A. Passengers ('000s)							
I. Unit toll services							
1981	22,004	986	448	27	23,466	-	23,466
1982	19,189	874	592	78	20,732	-	20,732
1983	18,105	897	558	99	19,658	-	19,658
1984	21,604	1,180	654	123	23,561	-	23,561
1985	21,981	1,620	813	151	24,565	-	24,565
1986	22,599	2,069	1,023	408	26,099	-	26,099
1987	23,011	1,701	1,986	132	26,829	-	26,829
1987R	21,874	4,081	558	278	26,791	-	26,791
1988	23,928	4,844	911	498	30,181	-	30,181
1989	22,794	6,605	876	464	30,739	-	30,739
1990	21,521	8,136	500	167	30,324	-	30,324
II. Charter							
1981	2,866	230	627	n/a	3,722	-	3,722
1982	2,909	150	656	n/a	3,714	-	3,714
1983	3,050	194	886	n/a	4,130	-	4,130
1984	3,141	197	801	n/a	4,140	-	4,140
1985	3,385	533	573	n/a	4,491	-	4,491
1986	2,898	739	1,082	n/a	4,720	-	4,720
1987	2,751	1,325	958	n/a	5,034	-	5,034
1987R	2,642	1,642	748	441	5,473	-	5,473
1988	2,704	1,714	655	760	5,833	-	5,833
1989	2,143	2,173	1,161	962	6,439	-	6,439
1990	1,602	3,293	1,237	355	6,487	-	6,487
III. Total							
1981	24,870	1,216	1,075	27	27,189	-	27,189
1982	22,098	1,023	1,248	78	24,447	-	24,447
1983	21,155	1,091	1,444	99	23,789	-	23,789
1984	24,745	1,377	1,456	123	27,701	-	27,701
1985	25,366	2,153	1,386	151	29,056	-	29,056
1986	25,497	2,808	2,106	408	30,818	-	30,818
1987	25,762	3,026	2,943	132	31,863	-	31,863
1987R	24,516	5,723	1,306	719	32,263	-	32,263
1988	26,632	6,558	1,566	1,258	36,014	-	36,014
1989	24,937	8,778	2,037	1,426	37,178	-	37,178
1990	23,123	11,429	1,737	522	36,811	-	36,811
B. Passenger-kilometres ('000s)							
I. Unit toll services							
1975	23,112,008	1,886,777	180,416	9,854	25,189,055	8,343	25,197,399
1976	23,999,730	1,956,265	199,504	14,230	26,169,730	12,233	26,181,963
1977	25,131,905	2,160,255	231,658	27,392	27,551,209	5,335	27,556,545
1978	26,969,290	2,305,700	255,202	37,767	29,567,959	4,505	29,572,465
1979	31,554,459	2,738,677	276,089	20,046	34,589,272	3,003	34,592,274
1980	33,081,359	3,065,964	299,968	9,686	36,456,977	2,113	36,459,090
1981	35,350,197	239,712	148,034	2,953	35,740,896	-	35,740,896
1982	32,094,869	252,226	170,338	10,430	32,527,863	-	32,527,863
1983	31,287,789	255,438	154,477	12,165	31,709,869	-	31,709,869
1984	34,104,887	319,658	200,929	16,289	34,641,763	-	34,641,763
1985	35,825,351	485,232	268,828	25,290	36,604,702	-	36,604,702
1986	39,004,554	584,437	339,974	105,795	40,034,760	-	40,034,760
1987	40,204,862	740,308	681,322	17,408	41,643,900	-	41,643,900
1987R	39,858,441	1,550,845	151,530	83,022	41,643,839	-	41,643,839
1988	45,966,984	2,340,686	273,361	155,999	48,737,030	-	48,737,030
1989	46,683,600	3,279,925	301,744	125,252	50,390,521	-	50,390,521
1990	46,127,650	3,805,962	152,662	37,344	50,123,618	-	50,123,618

Sources:1975-1981: Statistics Canada, *Air Carrier Operations in Canada*, Catalogue no. 51-002, October-December issues, Table 1 or Table 1.2.1982-1990: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 51-206.

Notes: 1) Owing to changes in level definitions for 1988, data from before and after the changes are shown to provide some indication of the magnitude of the adjustments; 2) Unrevised data for 1988 and 1989 are shown because revised data provided no breakdown by level; 3) Level V no longer had to report statistics after 1981 due to changes in air carrier level definitions. See C-1.5 for further details.

Operating Statistics for Level I-IV Air Carriers, by Sector, 1981-1990

	Domestic	Trans- border	International Other international	Total international	Total all sectors	Domestic share of total
I. Passengers carried on unit toll services ('000s)						
1981	18,464	3,234	1,767	5,002	23,466	78.7%
1982	16,262	2,787	1,684	4,471	20,732	78.4%
1983	15,354	2,636	1,669	4,305	19,658	78.1%
1984	18,737	2,812	2,012	4,824	23,561	79.5%
1985	19,601	2,716	2,248	4,964	24,565	79.8%
1986	20,689	2,903	2,507	5,409	26,099	79.3%
1987	21,062	3,038	2,729	5,768	26,829	78.5%
1988	23,178	3,647	3,355	7,002	30,180	76.8%
1989	23,066	4,143	3,530	7,673	30,739	75.0%
1990	22,638	4,266	3,422	7,688	30,326	74.6%
II. Passengers carried on charter services ('000s)						
1981	1,195	1,396	1,131	2,528	3,722	32.1%
1982	966	1,495	1,253	2,749	3,714	26.0%
1983	1,104	1,499	1,527	3,027	4,130	26.7%
1984	985	1,719	1,437	3,155	4,140	23.8%
1985	1,281	1,634	1,576	3,209	4,491	28.5%
1986	1,281	1,577	1,861	3,438	4,720	27.1%
1987	1,306	1,566	2,162	3,727	5,034	25.9%
1988	1,346	1,963	2,524	4,487	5,833	23.1%
1989	1,323	2,288	2,827	5,115	6,438	20.5%
1990	1,523	2,070	2,894	4,964	6,487	23.5%
III. All services ('000s)						
1981	19,659	4,630	2,899	7,529	27,189	72.3%
1982	17,227	4,282	2,937	7,219	24,447	70.5%
1983	16,457	4,135	3,196	7,332	23,789	69.2%
1984	19,721	4,531	3,448	7,980	27,701	71.2%
1985	20,883	4,350	3,823	8,173	29,056	71.9%
1986	21,971	4,480	4,368	8,848	30,818	71.3%
1987	22,368	4,604	4,891	9,495	31,863	70.2%
1988	24,524	5,610	5,879	11,489	36,013	68.1%
1989	24,389	6,431	6,357	12,788	37,177	65.6%
1990	24,161	6,336	6,316	12,652	36,813	65.6%
IV. Passenger-kilometres travelled on unit toll services ('000s)						
1981	20,550,168	5,137,840	10,052,888	15,190,728	35,740,896	57.5%
1982	18,308,162	4,460,093	9,759,607	14,219,701	32,527,863	56.3%
1983	17,624,929	4,344,934	9,740,006	14,084,940	31,709,869	55.6%
1984	18,813,204	4,650,456	11,178,103	15,828,559	34,641,763	54.3%
1985	19,399,599	4,479,630	12,725,472	17,205,103	36,604,702	53.0%
1986	21,214,025	4,715,040	14,105,695	18,820,735	40,034,760	53.0%
1987	21,580,001	4,525,469	15,538,430	20,063,899	41,643,900	51.8%
1988	24,089,767	5,062,402	19,584,861	24,647,263	48,737,030	49.4%
1989	23,964,092	5,653,265	20,773,164	26,426,429	50,390,521	47.6%
1990	23,277,733	6,207,735	20,638,365	26,846,100	50,123,833	46.4%

Sources:

1981-1987: Statistics Canada, *Air Carrier Operations in Canada*, Catalogue no. 51-002, October-December issues, Table 3.

1988-1990: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 51-206, Table 2.2, p. 4.

Notes: 1) Unrevised data for 1988 and 1989 are shown because revised data provided no breakdown by sector;
2) Revised 1987 statistics are not shown because they were not listed in the 1988 publication.

C-1.13

Operating Statistics and Revenues for Level I Air Carriers, Jan. 1990 – Dec. 1991

	Passengers			Passenger-kilometres			Operating revenues			
	Unit toll	Charter	Total	Unit toll	Charter	Total	Unit toll	Charter	Other	Total
I. Level I operating and revenue statistics ('000s or \$ '000s)										
1990										
January	1,505	214	1,719	3,491,718	505,033	3,996,751	374,754	24,141	16,319	415,214
February	1,446	217	1,663	3,190,711	511,386	3,702,097	356,483	27,322	14,866	398,671
March	1,693	248	1,941	3,835,720	574,204	4,409,924	415,952	32,147	21,177	469,276
April	1,568	171	1,739	3,609,546	368,655	3,978,201	398,081	15,556	14,359	427,996
May	1,705	77	1,782	3,933,297	209,324	4,142,621	443,504	11,257	11,424	466,185
June	1,784	76	1,860	4,280,486	238,884	4,519,370	492,048	11,639	20,281	523,948
July	1,830	95	1,925	4,700,518	304,639	5,005,157	504,409	14,657	13,759	532,825
August	2,011	92	2,103	5,023,156	299,450	5,322,606	547,638	13,172	16,502	577,312
September	1,714	84	1,798	4,242,139	251,178	4,493,317	490,906	11,681	13,667	516,254
October	1,623	80	1,703	3,707,844	182,594	3,890,438	447,362	10,748	20,262	478,372
November	1,386	113	1,499	2,958,403	235,148	3,193,549	383,139	14,680	17,112	414,941
December	1,373	134	1,507	3,142,585	316,891	3,459,476	381,859	22,395	35,229	439,483
Jan. – June	9,701	1,003	10,704	22,341,478	2,407,486	24,748,964	2,480,822	122,062	98,406	2,701,290
July–Dec.	9,937	598	10,535	23,774,645	1,589,898	25,364,543	2,755,313	87,343	118,531	2,959,187
Total	19,638	1,601	21,239	46,116,123	3,997,384	50,113,507	5,236,135	209,405	214,937	5,660,477

1991										
January	1,467	168	1,635	2,995,673	436,533	3,432,206	393,399	27,884	11,253	432,536
February	1,355	184	1,539	2,580,520	421,941	3,002,461	346,200	26,094	14,443	386,737
March	1,568	219	1,787	3,148,957	504,154	3,653,111	413,967	31,407	17,570	462,944
April	1,466	127	1,623	2,908,505	288,079	3,196,584	397,308	14,133	14,533	425,974
May	1,662	82	1,744	3,281,646	182,819	3,464,465	440,797	10,482	11,844	463,123
June	1,677	83	1,760	3,577,480	187,070	3,764,550	483,592	11,919	9,434	504,945
July	1,755	88	1,843	4,034,048	198,402	4,232,450	484,486	13,089	21,785	519,360
August	1,960	101	2,061	4,484,089	231,623	4,715,712	524,789	14,062	9,518	548,369
September	1,771	79	1,850	3,861,662	168,574	4,028,236	484,193	11,124	19,731	495,048
October	1,765	91	1,856	3,474,009	183,306	3,657,315	433,446	11,227	16,409	461,082
November	1,463	138	1,601	2,742,738	304,381	3,047,119	367,117	16,556	12,810	396,483
December	1,549	152	1,701	3,049,190	347,902	3,397,092	383,156	20,300	14,207	417,663
Jan. – June	9,225	863	10,088	18,492,781	2,020,596	20,513,377	2,475,263	121,919	79,077	2,676,259
July–Dec.	10,263	649	10,912	21,645,736	1,432,188	23,077,924	2,657,187	86,358	94,460	2,838,005
Total	19,488	1,512	21,000	40,138,517	3,452,784	43,591,301	5,132,450	208,277	173,537	5,514,264

II. Year over year percentage changes

1989/1988	-5.5	-42.0	-10.8	1.6	-22.6	-2.0	4.1	-34.3	54.3	2.9
1990/1989										
January	-2.0	-29.8	-6.6	3.6	-43.2	-6.2	8.4	-40.4	-19.5	2.2
February	-4.0	-27.9	-8.0	2.2	-40.0	-6.9	7.5	-26.7	-36.7	1.6
March	-4.1	-25.7	-7.5	2.2	-36.1	-5.2	5.8	-18.0	-12.4	2.8
April	-3.0	-17.0	-4.6	2.1	-28.5	-1.8	3.8	-37.6	-27.5	-0.1
May	-4.3	-19.8	-5.1	-3.2	-27.1	-4.7	4.6	-4.8	-63.8	-0.2
June	-2.8	-20.8	-3.7	-1.5	-34.9	-4.1	3.3	-32.2	-31.4	0.1
July	-2.5	-26.4	-4.0	-4.5	-38.1	-7.6	1.2	-37.7	-41.5	-2.3
August	-2.5	-28.1	-4.0	-3.5	-40.3	-6.7	3.0	-40.1	-50.8	-1.7
September	-3.6	-25.7	-4.9	-3.9	-40.6	-7.1	3.3	-33.2	-48.1	-0.5
October	-2.1	-25.2	-3.5	-1.5	-42.4	-4.7	7.2	-19.8	-6.6	5.7
November	-5.8	-24.7	-7.5	-2.8	-34.3	-6.1	5.7	-19.2	-26.4	2.7
December	-6.7	-16.8	-7.7	-4.5	-28.2	-7.3	2.8	-2.0	10.1	3.1
Jan. – June	-3.4	-25.0	-5.9	0.7	-36.8	-4.8	5.4	-28.6	-33.9	1.0
July–Dec.	-3.7	-24.1	-5.1	-3.5	-37.2	-6.7	3.7	-25.6	-27.3	0.8
Total	-3.5	-24.7	-5.5	-1.5	-37.0	-5.8	4.5	-27.4	-30.5	0.9

1991/1990										
January	-2.5	-21.5	-4.9	-14.2	-13.6	-14.1	5.0	15.5	-31.0	4.2
February	-6.3	-15.2	-7.5	-19.1	-17.5	-18.9	-2.9	-4.5	-2.8	-3.0
March	-7.4	-11.7	-7.9	-17.9	-12.2	-17.2	-0.5	-2.3	-17.0	-1.3
April	-4.6	-25.7	-6.7	-19.4	-21.9	-19.6	-0.2	-9.1	1.2	-0.5
May	-2.5	6.5	-2.1	-16.6	-12.7	-16.4	-0.6	-6.9	3.7	-0.7
June	-6.0	9.2	-5.4	-16.4	-21.7	-16.7	-1.7	2.4	-53.4	-3.6
July	-4.1	-7.4	-4.3	-14.2	-34.9	-15.4	-3.9	-10.7	58.3	-2.5
August	-2.5	9.8	-2.0	-10.7	-22.7	-11.4	-4.2	6.8	-42.3	-5.0
September	3.3	-6.0	2.9	-9.0	-33.7	-10.4	-5.4	-4.8	44.4	-4.1
October	8.7	13.8	9.0	-6.3	0.4	-6.0	-3.1	4.5	-19.0	-3.6
November	5.6	22.1	6.8	-7.3	29.4	-4.8	-4.2	12.7	-25.1	-4.4
December	12.8	13.4	12.9	-3.0	9.8	-1.8	0.3	-9.4	-59.7	-5.0
Jan. – June	-4.9	-14.0	-5.8	-17.2	-16.1	-17.1	-0.2	-0.1	-19.6	-0.9
July–Dec.	3.3	8.5	3.6	-9.0	-9.9	-9.0	-3.8	-1.1	-18.9	-4.1
Total	-0.8	-5.6	-1.1	-13.0	-13.6	-13.0	-2.0	-0.5	-19.3	-2.6

Source: Statistics Canada, Aviation: Service Bulletin, Catalogue no. 51-004.

Note: Since January 1991, Level I carriers include Air Canada, Canadian Airlines International, AirBC, and Time Air.

Air Travel Between Major City-Pairs, 1987-1990

('000s of outbound and inbound passengers)

1987 rankings	1987	1988 rankings	1988	1989 rankings	1989	1990 rankings	1990
I. Domestic trips							
1. Mon-Tor	1,224.3	1. Mon-Tor	1,359.6	1. Mon-Tor	1,361.9	1. Mon-Tor	1,447.9
2. Tor-Van	686.4	2. Tor-Van	795.9	2. Ott-Tor	788.9	2. Ott-Tor	785.0
3. Ott-Tor	671.4	3. Ott-Tor	761.2	3. Tor-Van	784.2	3. Tor-Van	670.0
4. Cal-Tor	482.2	4. Cal-Tor	533.3	4. Cal-Tor	490.4	4. Cal-Van	420.9
5. Cal-Van	396.4	5. Cal-Van	433.9	5. Cal-Van	424.6	5. Cal-Tor	417.9
6. Tor-Win	353.5	6. Tor-Win	405.4	6. Tor-Win	401.7	6. Tor-Win	354.1
7. Cal-Edm	328.4	7. Edm-Tor	357.7	7. Edm-Tor	341.0	7. Edm-Van	330.5
8. Edm-Tor	323.5	8. Edm-Van	345.7	8. Edm-Van	336.3	8. Hal-Tor	326.3
9. Edm-Van	322.5	9. Hal-Tor	334.3	9. Cal-Edm	331.9	9. Edm-Tor	290.4
10. Hal-Tor	307.1	10. Cal-Edm	303.3	10. Hal-Tor	327.9	10. Cal-Edm	288.4
Top-10	5,095.7	Top-10	5,630.3	Top-10	5,588.8	Top-10	5,331.4
Other pairs	6,596.0	Other pairs	7,993.6	Other pairs	7,516.0	Other pairs	7,698.3
Total	11,691.7	Total	13,623.9	Total	13,104.8	Total	13,029.7

II. Domestic portions of international journeys

1. Tor-Van	161.2	1. Tor-Van	193.7	1. Tor-Van	214.8	1. Tor-Van	242.6
2. Mon-Tor	145.7	2. Mon-Tor	171.4	2. Mon-Tor	200.6	2. Mon-Tor	184.6
3. Ott-Tor	138.0	3. Ott-Tor	158.2	3. Ott-Tor	165.7	3. Ott-Tor	166.5
4. Tor-Win	79.9	4. Cal-Tor	102.3	4. Cal-Tor	99.6	4. Cal-Tor	112.3
5. Cal-Tor	76.9	5. Tor-Win	83.2	5. Cal-Van	86.6	5. Cal-Van	98.1
6. Cal-Van	58.8	6. Cal-Van	82.1	6. Tor-Win	86.5	6. Tor-Win	79.4
7. Hal-Tor	58.4	7. Hal-Tor	60.9	7. Hal-Tor	68.5	7. Edm-Van	71.2
8. Edm-Tor	48.6	8. Edm-Van	57.1	8. Edm-Van	66.7	8. Hal-Tor	71.1
9. Edm-Van	46.5	9. Edm-Tor	54.7	9. Edm-Tor	58.4	9. Edm-Tor	66.5
10. Mon-Que	45.6	10. Mon-Ott	43.0	10. Mon-Ott	47.1	10. Mon-Ott	44.9
Top-10	859.6	Top-10	1,006.6	Top-10	1,094.5	Top-10	1,137.2
Other pairs	518.8	Other pairs	652.6	Other pairs	674.1	Other pairs	738.5
Total	1,378.4	Total	1,659.2	Total	1,768.6	Total	1,875.7

III. Domestic trips and domestic portions of international journeys (I+II)

1. Mon-Tor	1,370.0	1. Mon-Tor	1,531.0	1. Mon-Tor	1,562.5	1. Mon-Tor	1,632.5
2. Tor-Van	847.6	2. Tor-Van	989.6	2. Tor-Van	999.0	2. Ott-Tor	951.5
3. Ott-Tor	809.4	3. Ott-Tor	919.4	3. Ott-Tor	954.6	3. Tor-Van	912.6
4. Cal-Tor	559.1	4. Cal-Tor	635.6	4. Cal-Tor	590.0	4. Cal-Tor	530.2
5. Cal-Van	455.2	5. Cal-Van	516.0	5. Cal-Van	511.2	5. Cal-Van	519.0
6. Tor-Win	433.4	6. Tor-Win	488.6	6. Tor-Win	488.2	6. Tor-Win	433.5
7. Edm-Tor	372.1	7. Edm-Tor	412.4	7. Edm-Van	403.0	7. Edm-Van	401.7
8. Edm-Van	369.0	8. Edm-Van	402.8	8. Edm-Tor	399.4	8. Hal-Tor	397.4
9. Hal-Tor	365.5	9. Hal-Tor	395.2	9. Hal-Tor	396.4	9. Edm-Tor	356.9
10. Cal-Edm	344.4	10. Cal-Edm	324.4	10. Cal-Edm	351.6	10. Cal-Edm	309.7
Top-10	5,925.7	Top-10	6,615.0	Top-10	6,655.9	Top-10	6,445.0
Other pairs	7,144.4	Other pairs	8,668.1	Other pairs	8,217.5	Other pairs	8,460.4
Total	13,070.1	Total	15,283.1	Total	14,873.4	Total	14,905.4

Source: Statistics Canada, *Air Passenger Origin and Destination, Domestic Report*, Catalogue no. 51-204.

Notes: 1987 data include: Air Canada, Air Ontario, Canadian Airlines International, Quebecair, and Wardair; 1988 data include Level I and all Level II carriers that transported 300,000 or more passengers in the two years preceding the survey year. This includes the carriers for 1987 and also AirBC and Time Air; 1989 data include the carriers for 1988 and City Express; 1990 data include the carriers for 1989 and also Air Atlantic and Air Nova.

These data exclude flights between city-pairs which are portions of longer trips. To illustrate, a person who flies from Ottawa to Vancouver but changes planes in Toronto would be counted as having taken one O-D trip (Ottawa to Vancouver) but would also surrender two coupons (boarding passes): one from Ottawa to Toronto and a second from Toronto to Vancouver. Thus, the passenger is counted once by the O-D survey but twice by the gross coupon count (on which all the previous data are based). One should then expect the O-D survey to record fewer trips than the other sources of passenger statistics which include intermediate flight segments.

Enplaned/Deplaned Passengers on Major Scheduled Services, Distributed by the Top-20 Airports, 1980-1990

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1984 - 1987 - 1980 - Avg. annual % change
1. Enplaned/deplaned passengers ('000s), 1980 rankings												
Toronto (Pearson)	13,494	13,423	12,240	12,008	13,081	13,656	15,154	16,018	16,760	15,901	15,807	3.2 -0.4 1.6
Vancouver	6,777	6,816	5,858	5,762	6,038	6,047	7,248	6,887	6,920	6,878	6,968	2.5 1.5 0.3
Montreal (Dorval)	6,477	6,277	5,433	5,123	5,567	5,469	5,441	5,599	5,475	4,973	4,617	-3.1 -6.2 -3.3
Calgary	4,031	4,254	3,767	3,533	3,633	3,681	3,815	3,944	4,134	3,794	3,850	1.0 -0.8 -0.5
Ottawa	1,816	1,877	1,804	1,795	1,983	1,980	1,937	1,989	2,309	2,158	2,064	0.7 1.2 0.7
Winnipeg	2,401	2,353	2,032	1,971	2,056	2,068	2,178	2,138	2,165	2,016	1,893	-1.4 -4.0 -2.4
Edmonton Int.	2,339	2,312	2,033	1,812	1,847	1,840	1,965	1,881	1,913	1,797	1,668	0.2 -0.2 -2.2
Halifax	1,535	1,610	1,531	1,396	1,610	1,776	1,711	1,707	1,725	1,573	1,486	-1.3 -4.5 -0.3
Montreal (Mirabel)	1,167	1,100	1,071	1,112	1,175	1,325	1,393	1,368	1,320	1,342	1,340	2.2 -0.7 1.4
Saskatoon	610	605	560	525	563	563	574	599	519	508	501	-1.9 -5.7 -1.9
Edmonton Muni.	923	947	789	731	738	761	682	690	677	542	498	-6.4 -10.4 -6.0
Regina	624	622	586	553	580	592	611	603	558	524	492	-2.7 -6.5 -2.3
St. John's	551	545	511	463	504	529	501	504	544	478	386	-4.4 -8.5 -3.5
Thunder Bay	449	428	361	346	385	416	417	431	424	353	352	-1.5 -6.5 -2.4
Kelowna	400	420	376	323	333	398	356	313	278	228	232	-5.8 -8.5 -5.3
Prince George	335	330	258	221	219	224	215	201	180	170	178	-3.6 -4.2 -6.2
Quebec	619	563	473	460	528	536	473	402	243	191	139	-20.0 -26.9 -13.9
Whitehorse	145	157	104	89	87	87	98	101	97	102	113	4.4 3.8 -2.5
Moncton	247	241	221	206	224	228	193	170	176	118	109	-11.3 -13.8 -7.8
Fredericton	195	202	191	163	202	191	180	152	152	104	89	-12.8 -16.4 -7.6
Top-9	40,137	40,022	35,800	34,543	36,990	37,859	40,841	41,331	42,750	40,330	39,914	1.3 -1.2 -0.1
Top-20	45,235	45,082	40,230	38,624	41,355	42,382	45,131	45,497	46,597	43,747	42,969	0.7 -1.9 -0.5
All airports	51,516	51,069	45,036	42,974	45,744	46,707	48,825	48,715	49,979	45,340	43,991	-0.6 -3.3 -1.6

2. Percentage distribution of total enplaned/deplaned passengers

	Percentage differentials											
Toronto (Pearson)	26.2%	26.3%	27.2%	27.9%	28.6%	29.2%	31.0%	32.9%	34.2%	35.1%	35.9%	7.3% 3.1% 9.7%
Vancouver	13.2%	13.3%	13.0%	13.5%	13.2%	12.9%	14.6%	13.7%	14.1%	15.2%	15.9%	2.7% 2.2% 2.7%
Montreal (Dorval)	12.6%	12.3%	12.1%	11.9%	12.2%	11.8%	11.1%	11.5%	11.2%	11.0%	10.5%	-1.7% -1.0% -2.1%
Calgary	7.8%	8.3%	8.4%	8.2%	7.9%	7.9%	7.8%	8.1%	8.4%	8.4%	8.8%	0.8% 0.7% 0.8%
Ottawa	3.7%	3.7%	4.0%	4.2%	4.3%	4.2%	4.0%	4.1%	4.7%	4.6%	4.7%	0.6% 0.6% 1.0%
Winnipeg	4.7%	4.6%	4.5%	4.6%	4.5%	4.4%	4.5%	4.4%	4.5%	4.4%	4.3%	-0.2% -0.1% -0.4%
Edmonton Int.	4.5%	4.5%	4.5%	4.2%	4.0%	3.9%	4.0%	3.9%	3.9%	3.5%	3.4%	0.2% 0.4% -0.3%
Halifax	3.0%	3.2%	3.4%	3.2%	3.5%	3.8%	3.5%	3.5%	3.5%	3.5%	3.4%	-0.1% -0.1% 0.4%
Montreal (Mirabel)	2.3%	2.2%	2.4%	2.6%	2.6%	2.8%	2.9%	2.8%	2.8%	3.0%	3.0%	0.5% 0.2% 0.8%
Saskatoon	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.1%	1.1%	1.1%	-0.1% -0.1% -0.0%
Edmonton Muni.	1.8%	1.9%	1.8%	1.7%	1.6%	1.6%	1.4%	1.4%	1.4%	1.2%	1.1%	-0.5% -0.3% -0.7%
Regina	1.2%	1.2%	1.3%	1.3%	1.3%	1.3%	1.3%	1.2%	1.1%	1.2%	1.1%	-0.1% -0.1% -0.1%
St. John's	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.0%	1.0%	1.1%	1.1%	0.9%	-0.2% -0.2% -0.2%
Thunder Bay	0.9%	0.8%	0.8%	0.9%	0.8%	0.9%	0.9%	0.9%	0.8%	0.6%	0.5%	-0.0% -0.1% -0.1%
Kelowna	0.8%	0.8%	0.8%	0.8%	0.7%	0.8%	0.7%	0.8%	0.6%	0.5%	0.5%	-0.2% -0.1% -0.2%
Prince George	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%	0.4%	0.4%	0.4%	0.4%	0.3%	-0.1% -0.2% -0.2%
Quebec	1.2%	1.1%	1.0%	1.1%	1.2%	1.1%	1.0%	0.8%	0.5%	0.4%	0.3%	-0.8% -0.5% -0.9%
Whitehorse	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%	0.0% 0.0% 0.0%
Moncton	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.4%	0.3%	0.4%	0.3%	0.2%	-0.2% -0.1% -0.2%
Fredericton	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.3%	0.3%	0.2%	0.2%	-0.2% -0.1% -0.2%
Top-9	77.9%	78.4%	79.5%	80.4%	80.9%	81.1%	83.6%	84.8%	87.3%	89.2%	90.7%	9.9% 5.9% 12.6%
Top-20	87.8%	88.3%	89.3%	89.9%	90.4%	90.7%	92.4%	93.4%	95.1%	96.5%	97.7%	7.3% 4.4% 9.9%
All airports	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	- - -

Source: Statistics Canada, *Air Carrier Traffic at Canadian Airports*, Catalogue no 51-203, issue years 1980-1987, and Catalogue no 51-005, October-December issues 1989 and 1990, Table 2.1.

Notes: 1) The Airport Activity Survey was revised in 1988; consequently, data in slightly different measurement unit (paying and non-paying passengers) and a different mix of carriers. 2) The Top-9 total contains the same list of airports throughout the period. 3) An enplaned passenger is one who embarks and takeoffs at an airport; a deplaned passenger is one who lands and disembarks at an airport.

Commercial Aircraft Itinerant Movements at the Top-20 Canadian Airports, 1980-1990

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1984-1987-1990 Avg. annual % change
1. Total commercial aircraft itinerant movements ('000s), 1980 rankings												
Toronto (Pearson)	198.0	200.0	196.0	197.0	210.6	238.4	260.9	272.0	306.2	321.3	331.9	7.9
Vancouver	189.7	185.8	184.9	187.0	184.1	181.1	220.7	244.1	273.6	270.2	274.5	9.0
Montreal (Dorval)	132.5	128.5	118.5	114.1	121.3	120.1	130.3	143.4	170.6	168.8	166.0	7.4
Calgary	118.2	120.2	105.3	99.3	102.0	106.7	104.3	116.5	129.2	155.3	168.5	8.7
Ottawa	83.7	80.4	73.7	74.2	78.4	81.3	77.3	83.0	85.8	103.2	106.3	6.1
Edmonton Muni.	122.3	111.9	84.7	76.0	75.2	78.0	76.3	75.6	78.6	94.7	99.8	4.8
Victoria	57.2	60.6	53.0	55.1	66.0	70.3	79.6	83.8	83.5	92.7	90.8	5.4
Winnipeg	80.4	81.9	70.8	63.7	65.1	70.8	71.6	72.9	82.4	91.5	89.4	4.7
Halifax	46.2	48.3	46.4	39.5	46.4	47.4	52.3	61.2	73.9	85.8	85.4	10.7
Quebec	62.2	60.7	53.7	48.1	53.1	52.5	50.7	55.6	64.3	75.8	78.5	6.7
St. Hubert	83.3	84.5	54.6	54.4	43.0	42.2	39.4	41.2	44.6	52.9	65.4	7.2
Toronto (Buttonville)	44.1	41.1	39.0	38.2	38.4	37.2	38.6	40.5	42.1	51.5	51.6	1.5
Edmonton Int.	66.8	62.5	51.0	46.3	47.2	47.8	45.5	46.5	49.2	45.1	45.6	5.1
Thunder Bay	37.0	35.7	34.1	33.4	36.4	39.7	40.1	43.1	45.1	45.6	51.3	5.8
Boundary Bay	-	-	-	6.1	20.7	24.2	24.3	29.3	33.3	43.5	49.9	15.6
London	42.4	38.4	33.7	33.7	36.2	35.0	35.8	45.5	49.8	48.7	48.7	5.1
Abbotsford	43.2	44.3	28.3	24.0	22.6	26.0	29.8	34.4	42.0	42.6	45.3	12.3
Saskatoon	43.5	44.8	31.4	33.6	33.6	35.0	34.5	36.0	42.5	44.6	43.3	6.3
Montreal (Mirabel)	32.8	27.1	25.2	25.8	30.4	33.6	35.5	34.7	39.3	42.6	42.0	5.5
Toronto Island	29.8	37.7	43.0	38.5	36.6	41.4	58.5	73.0	54.7	32.7	41.4	-17.2
Top-3	520.2	514.4	479.4	472.0	496.0	539.6	611.6	659.4	753.4	797.4	762.4	8.1
Top-20	1513.3	1474.4	1311.7	1260.5	1325.5	1408.6	1512.6	1632.4	1813.8	1954.7	2015.3	7.2
Total	2,593.9	2,446.1	2,083.5	1,936.6	1,995.4	2,078.3	2,221.0	2,410.1	2,647.3	2,848.9	2,967.8	6.8

	Percentage differentials											
Toronto (Pearson)	7.6%	8.2%	9.4%	10.2%	10.6%	11.5%	11.7%	11.3%	11.7%	11.3%	11.2%	0.6%
Vancouver	7.3%	7.6%	7.9%	8.3%	8.2%	8.7%	9.8%	10.1%	10.3%	8.8%	9.2%	1.0%
Montreal (Dorval)	5.1%	5.3%	5.7%	5.9%	6.1%	5.8%	5.9%	5.9%	6.4%	6.9%	6.3%	0.2%
Calgary	4.6%	4.9%	5.1%	5.1%	5.1%	5.1%	4.7%	4.8%	4.9%	5.5%	5.7%	0.6%
Ottawa	3.2%	3.3%	3.5%	3.8%	3.8%	3.8%	3.5%	3.4%	3.6%	3.6%	3.7%	-0.1%
Edmonton Muni.	4.7%	4.6%	4.1%	3.9%	3.8%	3.8%	3.5%	3.1%	3.0%	3.3%	3.4%	0.2%
Victoria	2.2%	2.5%	2.5%	2.8%	3.3%	3.4%	3.6%	3.5%	3.5%	3.3%	3.1%	-0.3%
Winnipeg	3.1%	3.3%	3.4%	3.3%	3.3%	3.4%	3.2%	3.0%	3.1%	3.2%	3.0%	-0.2%
Halifax	1.8%	2.0%	2.2%	2.0%	2.3%	2.3%	2.4%	2.5%	2.6%	3.0%	2.9%	0.5%
Quebec	2.4%	2.5%	2.6%	2.8%	2.2%	2.7%	2.3%	2.3%	2.4%	2.7%	2.6%	-0.0%
St. Hubert	3.2%	2.6%	2.6%	2.8%	2.2%	2.0%	1.9%	1.7%	1.7%	1.9%	2.2%	0.0%
Toronto (Buttonville)	1.7%	1.7%	1.9%	2.0%	1.9%	1.9%	1.8%	1.7%	1.6%	1.9%	2.1%	0.2%
Edmonton Int.	2.6%	2.6%	2.4%	2.4%	2.4%	2.3%	2.2%	1.9%	1.7%	1.8%	1.7%	-0.1%
Thunder Bay	1.4%	1.5%	1.6%	1.7%	1.8%	1.9%	1.8%	1.2%	1.3%	1.5%	1.6%	0.6%
Boundary Bay	0.0%	0.0%	0.0%	0.3%	1.0%	1.2%	1.1%	1.6%	1.9%	1.7%	1.6%	-0.2%
London	1.6%	1.6%	1.6%	1.7%	1.8%	1.3%	1.3%	1.4%	1.6%	1.5%	1.5%	0.1%
Abbotsford	1.7%	1.8%	1.7%	1.6%	1.7%	1.7%	1.6%	1.5%	1.6%	1.6%	1.5%	-0.2%
Saskatoon	1.7%	1.8%	1.7%	1.6%	1.7%	1.7%	1.6%	1.5%	1.6%	1.6%	1.5%	-0.2%
Montreal (Mirabel)	1.3%	1.1%	1.2%	1.3%	1.5%	1.6%	1.6%	1.4%	1.5%	1.5%	1.4%	-0.1%
Toronto Island	1.1%	1.5%	2.1%	2.0%	1.8%	2.0%	2.6%	3.0%	2.1%	1.1%	1.4%	-1.6%
Top-3	20.1%	21.0%	23.0%	24.4%	24.9%	26.0%	27.5%	27.4%	28.5%	28.0%	28.7%	1.8%
Top-20	58.3%	60.3%	63.0%	65.1%	66.4%	67.8%	68.1%	67.7%	68.5%	68.6%	67.9%	1.5%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	-

Source: Transport Canada, *Aircraft Movement Statistics, Annual Report*, TP 577, issue years 1980-1990, Table 3. Note that the data reflect the latest revisions.

Notes: 1) Commercial itinerant movements include movements by air carriers (both unit toll and charter) and other commercial operators; 2) An itinerant aircraft movement occurs when an aircraft proceeds to or arrives from another location, or when an aircraft leaves the circuit but returns without landing at another airport.

Enplaned and Deplaned Revenue Passengers at the Top-50 Canadian Airports, by Type of Service, 1990

Airport	Prov.	Major scheduled services	Regional and local scheduled services	Major charter services	Total
I. Enplaned/deplaned passengers (ranked by total passengers)					
Lester B. Pearson International	Ont.	15,807,287	1,602,723	3,013,793	20,423,803
Vancouver International	B.C.	6,988,376	1,990,797	565,126	9,544,299
Montreal/Dorval International	Que.	4,617,362	1,532,994	285,082	6,435,438
Calgary International	Alta.	3,849,592	611,375	153,473	4,614,440
Ottawa International	Ont.	2,063,971	580,511	53,322	2,697,804
Halifax International	N.S.	1,486,421	976,883	63,667	2,526,971
Montreal/Mirabel International	Que.	1,340,484	48,331	1,107,591	2,496,406
Winnipeg International	Man.	1,892,926	249,468	112,673	2,255,067
Edmonton International	Alta.	1,867,712	54,511	92,507	2,014,730
Edmonton Municipal	Alta.	495,830	509,031	2,323	1,007,184
Victoria International	B.C.	83,114	659,728	14,947	757,789
Quebec	Que.	138,727	483,965	111,775	734,467
St. John's	Nfld.	385,853	289,909	9,934	685,696
Saskatoon	Sask.	501,342	111,617	15,530	628,489
Regina	Sask.	492,218	119,020	15,904	627,142
Thunder Bay	Ont.	351,740	194,394	55	546,189
Kelowna	B.C.	232,138	152,563	7,687	392,388
Prince George	B.C.	176,410	106,698	3,291	286,399
Moncton	N.B.	109,320	172,387	46	281,753
Toronto Island	Ont.	-	270,425	139	270,564
Fredericton	N.B.	88,782	155,784	416	244,982
London	Ont.	-	222,272	9,830	232,102
Saint John	N.B.	83,865	146,479	250	230,594
Sudbury	Ont.	4,486	225,139	19	229,644
Yellowknife	N.W.T.	80,686	130,768	-	211,454
Charlottetown	P.E.I.	49,717	152,378	2,054	204,149
Sault Ste. Marie	Ont.	30	195,363	233	195,626
Windsor	Ont.	6,564	178,393	3,119	188,076
Timmins	Ont.	6,061	173,959	2	180,022
Deer Lake	Nfld.	20,849	150,164	-	171,013
Vancouver-Seaplane Base	B.C.	-	170,541	-	170,541
Sydney	N.S.	-	167,666	-	167,666
Victoria-Inner Harbour	B.C.	-	166,160	-	166,160
Sept-Îles	Que.	-	141,132	16	141,148
Fort St. John	B.C.	71,002	66,348	4	137,354
Kamloops	B.C.	72	125,457	3,250	128,779
Whitehorse	Yuk.	112,542	14,758	7	127,307
Bagotville	Que.	3	118,480	306	118,789
Prince Rupert	B.C.	53,320	60,108	3,289	116,717
Lethbridge	Alta.	-	116,273	313	116,586
Gander International	Nfld.	176	112,972	1,748	114,896
Nanaimo	B.C.	-	113,591	130	113,721
Val d'Or	Que.	14,523	98,252	-	112,775
Hamilton	Ont.	113	91,806	20,356	112,275
Grande Prairie	Alta.	29	104,978	233	105,240
Terrace	B.C.	54,742	49,979	-	104,721
Cranbrook	B.C.	-	98,104	522	98,626
Rouyn	Que.	3,105	95,388	-	98,493
North Bay	Ont.	1,534	96,161	111	97,806
Fort McMurray	Alta.	60,716	35,834	-	96,550
Total Top-50		43,593,740	14,492,017	5,675,073	63,760,830
Total other airports		397,610	2,753,807	13,139	3,164,556
Total Canada		43,991,350	17,245,824	5,688,212	66,925,386

Enplaned and Deplaned Revenue Passengers at the Top-50 Canadian Airports, by Type of Service, 1990

Airport	Prov.	Major scheduled services	Regional and local scheduled services	Major charter services	Total
II. Percentage distribution of total enplaned/deplaned passengers by airport					
Lester B. Pearson International	Ont.	35.93	9.29	52.98	30.52
Vancouver International	B.C.	15.89	11.54	9.94	14.26
Montreal/Dorval International	Que.	10.50	8.89	5.01	9.62
Calgary International	Alta.	8.75	3.55	2.70	6.89
Ottawa International	Ont.	4.69	3.37	0.94	4.03
Halifax International	N.S.	3.38	5.66	1.12	3.78
Montreal/Mirabel International	Que.	3.05	0.28	19.47	3.73
Winnipeg International	Man.	4.30	1.45	1.98	3.37
Edmonton International	Alta.	4.25	0.32	1.63	3.01
Edmonton Municipal	Alta.	1.13	2.95	0.04	1.50
Victoria International	B.C.	0.19	3.83	0.26	1.13
Quebec	Que.	0.32	2.81	1.97	1.10
St. John's	Nfld.	0.88	1.68	0.17	1.02
Saskatoon	Sask.	1.14	0.65	0.27	0.94
Regina	Sask.	1.12	0.69	0.28	0.94
Thunder Bay	Ont.	0.80	1.13	0.00	0.82
Kelowna	B.C.	0.53	0.88	0.14	0.59
Prince George	B.C.	0.40	0.62	0.06	0.43
Moncton	N.B.	0.25	1.00	0.00	0.42
Toronto Island	Ont.	0.00	1.57	0.00	0.40
Fredericton	N.B.	0.20	0.90	0.01	0.37
London	Ont.	0.00	1.29	0.17	0.35
Saint John	N.B.	0.19	0.85	0.00	0.34
Sudbury	Ont.	0.01	1.31	0.00	0.34
Yellowknife	N.W.T.	0.18	0.76	0.00	0.32
Charlottetown	P.E.I.	0.11	0.88	0.04	0.31
Sault Ste. Marie	Ont.	0.00	1.13	0.00	0.29
Windsor	Ont.	0.01	1.03	0.05	0.28
Timmins	Ont.	0.01	1.01	0.00	0.27
Deer Lake	Nfld.	0.05	0.87	0.00	0.26
Vancouver-Seaplane Base	B.C.	0.00	0.99	0.00	0.25
Sydney	N.S.	0.00	0.97	0.00	0.25
Victoria-Inner Harbour	B.C.	0.00	0.96	0.00	0.25
Sept-Îles	Que.	0.00	0.82	0.00	0.21
Fort St. John	B.C.	0.16	0.38	0.00	0.21
Kamloops	B.C.	0.00	0.73	0.06	0.19
Whitehorse	Yuk.	0.26	0.09	0.00	0.19
Bagotville	Que.	0.00	0.69	0.01	0.18
Prince Rupert	B.C.	0.12	0.35	0.06	0.17
Lethbridge	Alta.	0.00	0.67	0.01	0.17
Gander International	Nfld.	0.00	0.66	0.03	0.17
Nanaimo	B.C.	0.00	0.66	0.00	0.17
Val d'Or	Que.	0.03	0.57	0.00	0.17
Hamilton	Ont.	0.00	0.53	0.36	0.17
Grande Prairie	Alta.	0.00	0.61	0.00	0.16
Terrace	B.C.	0.12	0.29	0.00	0.16
Cranbrook	B.C.	0.00	0.57	0.01	0.15
Rouyn	Que.	0.01	0.55	0.00	0.15
North Bay	Ont.	0.00	0.56	0.00	0.15
Fort McMurray	Alta.	0.14	0.21	0.00	0.14
Total Top-50		99.10	84.03	99.77	95.27
Total other airports		0.90	15.97	0.23	4.73
Total Canada		100.00	100.00	100.00	100.00

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Enplaned and Deplaned Revenue Passengers at the Top-50 Canadian Airports, by Type of Service, 1990

Airport	Prov.	Major scheduled services	Regional and local scheduled services	Major charter services	Total
III. Percentage distribution of services supported by each airport					
Lester B. Pearson International	Ont.	77.4	7.8	14.8	100.0
Vancouver International	B.C.	73.2	20.9	5.9	100.0
Montreal/Dorval International	Que.	71.7	23.8	4.4	100.0
Calgary International	Alta.	83.4	13.2	3.3	100.0
Ottawa International	Ont.	76.5	21.5	2.0	100.0
Halifax International	N.S.	58.8	38.7	2.5	100.0
Montreal/Mirabel International	Que.	53.7	1.9	44.4	100.0
Winnipeg International	Man.	83.9	11.1	5.0	100.0
Edmonton International	Alta.	92.7	2.7	4.6	100.0
Edmonton Municipal	Alta.	49.2	50.5	0.2	100.0
Victoria International	B.C.	11.0	87.1	2.0	100.0
Quebec	Que.	18.9	65.9	15.2	100.0
St. John's	Nfld.	56.3	42.3	1.4	100.0
Saskatoon	Sask.	79.8	17.8	2.5	100.0
Regina	Sask.	78.5	19.0	2.5	100.0
Thunder Bay	Ont.	64.4	35.6	0.0	100.0
Kelowna	B.C.	59.2	38.9	2.0	100.0
Prince George	B.C.	61.6	37.3	1.1	100.0
Moncton	N.B.	38.8	61.2	0.0	100.0
Toronto Island	Ont.	0.0	99.9	0.1	100.0
Fredericton	N.B.	36.2	63.6	0.2	100.0
London	Ont.	0.0	95.8	4.2	100.0
Saint John	N.B.	36.4	63.5	0.1	100.0
Sudbury	Ont.	2.0	98.0	0.0	100.0
Yellowknife	N.W.T.	38.2	61.8	0.0	100.0
Charlottetown	P.E.I.	24.4	74.6	1.0	100.0
Sault Ste. Marie	Ont.	0.0	99.9	0.1	100.0
Windsor	Ont.	3.5	94.9	1.7	100.0
Timmins	Ont.	3.4	96.6	0.0	100.0
Deer Lake	Nfld.	12.2	87.8	0.0	100.0
Vancouver-Seaplane Base	B.C.	0.0	100.0	0.0	100.0
Sydney	N.S.	0.0	100.0	0.0	100.0
Victoria-Inner Harbour	B.C.	0.0	100.0	0.0	100.0
Sept-Îles	Que.	0.0	100.0	0.0	100.0
Fort St. John	B.C.	51.7	48.3	0.0	100.0
Kamloops	B.C.	0.1	97.4	2.5	100.0
Whitehorse	Yuk.	88.4	11.6	0.0	100.0
Bagotville	Que.	0.0	99.7	0.3	100.0
Prince Rupert	B.C.	45.7	51.5	2.8	100.0
Lethbridge	Alta.	0.0	99.7	0.3	100.0
Gander International	Nfld.	0.2	98.3	1.5	100.0
Nanaimo	B.C.	0.0	99.9	0.1	100.0
Val d'Or	Que.	12.9	87.1	0.0	100.0
Hamilton	Ont.	0.1	81.8	18.1	100.0
Grande Prairie	Alta.	0.0	99.8	0.2	100.0
Terrace	B.C.	52.3	47.7	0.0	100.0
Cranbrook	B.C.	0.0	99.5	0.5	100.0
Rouyn	Que.	3.2	96.8	0.0	100.0
North Bay	Ont.	1.6	98.3	0.1	100.0
Fort McMurray	Alta.	62.9	37.1	0.0	100.0
Total Top-50		68.4	22.7	8.9	100.0
Total other airports		12.6	87.0	0.4	100.0
Total Canada		65.7	25.8	8.5	100.0

Source: Statistics Canada, *Air Carrier Traffic at Canadian Airports, October-December 1990*, Catalogue no. 51-005, March 1992, Table 1.3, p. 46.

Air Fare Indexes by Sector of Operation and by
Type of Fare, Level I Canadian Air Carriers, 1983-1990

(1983=100.0)

	Nominal air fares			CPI— all items	Real air fares		
	All fares	Economy fares	Dis- counted fares		All fares	Economy fares	Dis- counted fares
Domestic							
1983	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1984	103.6	106.1	100.3	104.3	99.3	101.7	96.2
1985	110.3	112.6	107.5	108.5	101.7	103.8	99.1
1986	115.2	118.2	112.6	113.0	102.0	104.6	99.7
1987	120.7	125.1	117.0	118.0	102.3	106.0	99.2
1988	125.7	137.6	113.3	122.7	102.4	112.1	92.3
1989	140.1	150.1	129.1	128.8	108.8	116.5	100.2
1990	153.4	165.2	140.9	134.9	113.7	122.4	104.4
Domestic (southern services)							
1983	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1984	103.6	106.2	100.3	104.3	99.3	101.8	96.2
1985	110.4	112.8	107.6	108.5	101.8	104.0	99.2
1986	115.4	118.4	112.9	113.0	102.1	104.8	99.9
1987	121.1	125.6	117.4	118.0	102.7	106.5	99.5
1988	126.1	138.4	113.8	122.7	102.8	112.8	92.7
1989	140.6	150.9	129.5	128.8	109.2	117.1	100.5
1990	153.9	165.8	141.4	134.9	114.1	122.9	104.8
Domestic (northern services)							
1983	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1984	103.8	104.7	101.1	104.3	99.5	100.4	96.9
1985	109.0	111.2	104.6	108.5	100.5	102.5	96.4
1986	112.5	116.6	105.6	113.0	99.6	103.2	93.5
1987	114.1	119.3	106.7	118.0	96.7	101.1	90.4
1988	117.5	127.2	100.4	122.7	95.8	103.7	81.8
1989	130.4	139.6	115.6	128.8	101.2	108.4	89.7
1990	142.7	155.2	125.1	134.9	105.8	115.0	92.7
International							
1983	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1984	101.6	103.3	100.9	104.3	97.4	99.0	96.7
1985	105.0	107.3	103.6	108.5	96.8	98.9	95.5
1986	111.9	111.5	111.6	113.0	99.0	98.7	98.8
1987	113.1	112.7	113.7	118.0	95.9	95.5	96.4
1988	114.9	118.9	115.0	122.7	93.6	96.9	93.7
1989	116.8	126.7	114.6	128.8	90.7	98.4	89.0
1990	120.9	135.5	117.1	134.9	89.6	100.4	86.8

Source: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 51-206, issue years 1988-1990, Table 6.1. Consumer Price Index data are from Statistics Canada, *CANSIM*, Matrix 1922 and re-based to 1983=100.0

Note: Fare index data for 1990 were re-based to 1983=100.0.

Average Domestic Air Fares, by Fare Type for Selected Cities, Level I Canadian Air Carriers, 1988–1990

Average one-way equivalent fares on scheduled services

1990	First class	Business class	Economy	Discounted	Other	% Discount off economy
Short-haul routes (< 800 km)						
Calgary	\$184.2	\$205.1	\$137.9	\$100.3	\$86.6	-27.3%
Edmonton	**	\$96.6	\$99.6	\$71.8	\$56.4	-27.9%
Halifax	-	-	-	-	-	-
Montreal	\$224.6	\$186.9	\$157.9	\$91.8	\$73.4	-41.9%
Ottawa	\$175.9	\$157.7	\$136.8	\$85.6	\$79.2	-37.4%
Regina	**	\$194.6	\$176.3	\$93.3	\$105.2	-47.1%
Saskatoon	**	\$183.7	\$178.2	\$88.4	\$104.1	-50.4%
Toronto	\$189.9	\$178.1	\$152.6	\$91.7	\$79.0	-39.9%
Vancouver	\$161.1	\$207.9	\$179.3	\$106.0	\$99.0	-40.9%
Winnipeg	**	\$203.2	\$194.5	\$97.6	\$106.5	-49.8%
Long-haul routes (> 800 km)						
Calgary	\$625.9	\$522.2	\$376.8	\$203.7	\$219.2	-45.9%
Edmonton	\$590.6	\$472.9	\$294.0	\$169.6	\$204.6	-42.3%
Halifax	\$346.7	\$297.8	\$244.0	\$135.3	\$162.5	-44.5%
Montreal	\$596.2	\$541.3	\$360.9	\$201.1	\$233.9	-44.3%
Ottawa	\$576.6	\$495.7	\$349.9	\$196.2	\$251.2	-43.9%
Regina	**	\$424.3	\$340.9	\$164.8	\$200.5	-51.7%
Saskatoon	**	\$436.8	\$327.4	\$162.8	\$202.5	-50.3%
Toronto	\$658.7	\$500.8	\$342.8	\$189.1	\$215.2	-44.8%
Vancouver	\$727.9	\$593.4	\$350.8	\$207.7	\$257.9	-40.8%
Winnipeg	\$321.3	\$355.8	\$306.2	\$153.3	\$169.0	-49.9%
1989						
Short-haul routes (< 800 km)						
Calgary	\$192.5	\$194.6	\$129.5	\$90.9	\$93.1	-29.8%
Edmonton	**	\$90.4	\$94.6	\$64.0	**	-32.3%
Halifax	-	**	\$115.0	\$61.7	**	-46.3%
Montreal	\$193.8	\$172.3	\$148.8	\$90.7	\$78.9	-39.0%
Ottawa	\$162.3	\$149.1	\$126.7	\$80.6	\$78.0	-36.4%
Regina	**	\$177.0	\$158.0	\$87.6	\$96.5	-44.6%
Saskatoon	-	\$196.8	\$161.2	\$83.6	\$93.9	-48.1%
Toronto	\$177.1	\$165.3	\$143.2	\$89.1	\$83.2	-37.8%
Vancouver	\$205.0	\$196.5	\$164.7	\$98.9	\$89.0	-40.0%
Winnipeg	**	\$182.5	\$174.3	\$88.0	\$103.4	-49.5%
Long-haul routes (> 800 km)						
Calgary	\$545.8	\$460.3	\$345.0	\$182.6	\$238.9	-47.1%
Edmonton	\$531.8	\$422.5	\$267.5	\$156.1	\$192.8	-41.6%
Halifax	\$316.9	\$273.2	\$222.7	\$127.2	\$176.5	-42.9%
Montreal	\$530.0	\$469.1	\$311.3	\$175.5	\$261.5	-43.6%
Ottawa	\$477.6	\$443.3	\$311.9	\$177.2	\$255.8	-43.2%
Regina	**	\$390.8	\$308.7	\$158.6	\$223.7	-46.6%
Saskatoon	**	\$401.4	\$296.2	\$155.9	\$205.4	-47.4%
Toronto	\$592.8	\$441.4	\$314.1	\$172.3	\$229.2	-45.1%
Vancouver	\$655.9	\$533.1	\$322.5	\$193.0	\$251.5	-40.2%
Winnipeg	**	\$324.0	\$278.4	\$132.4	\$168.8	-52.4%
1988						
Short-haul routes (< 800 km)						
Calgary	\$198.3	\$175.8	\$116.3	\$77.2	\$87.1	-33.6%
Edmonton	**	\$100.8	\$92.4	\$60.0	\$61.1	-35.1%
Halifax	-	\$102.3	\$101.7	\$54.8	\$56.6	-46.1%
Montreal	\$187.0	\$157.2	\$136.5	\$82.6	\$74.9	-38.5%
Ottawa	\$150.3	\$136.1	\$119.8	\$71.7	\$68.9	-40.2%
Regina	**	\$164.4	\$147.7	\$75.9	\$104.5	-48.6%
Saskatoon	**	\$171.1	\$148.3	\$72.3	\$89.1	-51.2%
Toronto	\$175.7	\$147.3	\$133.5	\$80.9	\$78.1	-39.4%
Vancouver	\$181.9	\$179.2	\$142.4	\$82.8	\$85.9	-41.9%
Winnipeg	**	\$164.8	\$155.3	\$76.8	\$96.0	-50.5%
Long-haul routes (> 800 km)						
Calgary	\$523.6	\$430.3	\$320.8	\$155.8	\$240.5	-51.4%
Edmonton	\$451.4	\$380.2	\$244.2	\$128.9	\$169.7	-47.2%
Halifax	\$264.4	\$245.8	\$200.1	\$110.9	\$145.4	-44.6%
Montreal	\$537.8	\$415.1	\$271.9	\$145.6	\$216.3	-48.5%
Ottawa	\$474.8	\$395.1	\$301.2	\$147.6	\$229.2	-51.0%
Regina	**	\$349.6	\$277.0	\$136.3	\$207.1	-50.8%
Saskatoon	**	\$357.0	\$264.8	\$135.1	\$194.1	-49.0%
Toronto	\$570.5	\$408.2	\$290.8	\$150.1	\$214.2	-48.4%
Vancouver	\$630.1	\$489.3	\$295.6	\$164.8	\$242.7	-44.2%
Winnipeg	**	\$293.9	\$252.0	\$119.3	\$157.0	-52.7%

Source: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 51-206, issue years 1988–1990, Table 6.6.

Notes: 1) Edmonton includes Edmonton Municipal and Edmonton International Airports; 2) Montreal includes Dorval and Mirabel Airports;

3) Data refer to one-way equivalent air fares purchased at city of enplanement.

** denotes that data are too variable to be released.

Accident Statistics for Commercial Aviation and General Aviation, 1980-1989

	Accidents	Fatal accidents	Fatalities	Hours flown	Accidents/ 100,000 hours	Fatal accidents/ 100,000 hours	Fatalities/ 100,000 hours
I. Canadian registered aircraft							
1980	884	78	149	4,265,188	16.0	1.8	3.5
1981	895	88	172	4,123,288	16.9	2.1	4.2
1982	539	62	123	3,688,713	14.6	1.7	3.3
1983	510	63	148	3,447,277	14.8	1.8	4.3
1984	458	58	120	3,322,200	13.8	1.7	3.6
1985	438	40	71	3,256,280	13.5	1.2	2.2
1986	471	65	113	3,172,506	14.8	2.0	3.6
1987	472	53	97	3,321,519	14.2	1.6	2.9
1988	502	50	95	3,500,000	14.3	1.4	2.7
1989	486	58	148	3,600,000	13.5	1.6	4.1
II. Commercial operations							
1980	351	39	89	2,844,179	12.3	1.4	3.1
1981	381	40	85	2,681,879	13.8	1.5	3.2
1982	233	32	73	2,343,394	9.9	1.4	3.1
1983	190	19	68	2,173,278	8.7	0.9	3.1
1984	181	27	62	2,176,118	8.3	1.2	2.6
1985	189	18	42	2,203,812	8.6	0.8	1.9
1986	202	29	48	2,302,880	8.8	1.3	2.1
1987	211	23	44	2,420,588	8.7	1.0	1.8
1988	243	25	54	2,600,000	9.3	1.0	2.1
1989	251	23	82	2,700,000	9.3	0.9	3.0
II.1. Level I carriers							
1981	3	0	0	681,483	0.5	0.0	0.0
1982	1	0	0	620,890	0.2	0.0	0.0
1983	7	1	23	587,834	1.2	0.2	3.9
1984	2	0	0	610,569	0.3	0.0	0.0
1985	1	0	0	659,728	0.2	0.0	0.0
1986	4	0	0	690,065	0.6	0.0	0.0
1987	1	0	0	705,018	0.1	0.0	0.0
1988	3	0	0	759,474	0.4	0.0	0.0
1989	0	0	0	731,000	0.0	0.0	0.0
II.2. Level II carriers							
1981	19	1	6	147,218	12.9	0.7	4.1
1982	1	0	0	110,496	0.9	0.0	0.0
1983	4	1	4	111,068	3.6	0.9	3.6
1984	4	0	0	113,523	3.5	0.0	0.0
1985	1	0	0	154,160	0.6	0.0	0.0
1986	4	0	0	172,085	2.3	0.0	0.0
1987	0	0	0	182,348	0.0	0.0	0.0
1988	6	2	4	384,076	1.6	0.5	1.0
1989	12	3	31	514,000	2.3	0.6	6.0
II.3. All other levels							
1981	339	39	79	1,853,178	18.3	2.1	4.3
1982	231	32	73	1,612,008	14.3	2.0	4.5
1983	179	17	41	1,474,376	12.1	1.2	2.8
1984	175	27	62	1,452,026	12.1	1.9	4.3
1985	187	18	42	1,389,924	13.5	1.3	3.0
1986	194	29	48	1,440,730	13.5	2.0	3.3
1987	210	23	44	1,533,220	13.7	1.5	2.9
1988	234	23	50	1,456,450	16.1	1.6	3.4
1989	239	20	51	1,455,000	16.4	1.4	3.5
III. Government operations							
1980	4	2	2	118,899	3.4	1.7	1.7
1981	8	1	2	125,911	6.4	0.8	1.6
1982	5	1	1	133,113	3.8	0.8	0.8
1983	7	1	2	124,034	5.6	0.8	1.6
1984	5	0	0	118,864	4.2	0.0	0.0
1985	5	0	0	118,442	4.2	0.0	0.0
1986	4	1	4	105,391	3.8	0.9	3.8
1987	4	1	1	100,953	4.0	1.0	1.0
1988	5	1	1	100,000	5.0	1.0	1.0
1989	8	1	2	100,000	8.0	1.0	2.0
IV. Private operations							
1980	329	35	58	1,300,427	25.3	2.7	4.5
1981	328	47	85	1,331,677	24.5	3.5	6.4
1982	301	29	49	1,212,208	24.8	2.4	4.0
1983	313	43	78	1,149,965	27.2	3.7	6.8
1984	272	31	58	1,027,218	26.5	3.0	5.6
1985	244	22	29	934,026	26.1	2.4	3.1
1986	265	35	61	764,235	34.7	4.6	8.0
1987	257	29	52	800,000	32.1	3.6	6.5
1988	254	24	40	800,000	31.8	3.0	5.0
1989	227	34	64	800,000	28.4	4.3	8.0

Source: Canadian Aviation Safety Board, *Annual Report 1989*, Catalogue no. TU1-1989, 1990, pp. 48-49.

Railway Operating Revenues and Expenses, 1875-1990

All revenues and expenses are in millions of dollars

	Total railway operating revenues	Freight revenues	Pass- enger revenues	Total railway operating expenses	Ways and structures	Equipment	Rail and water line operation	Traffic, admin. and other expenses	Gross profit	Pass. rev. per pass. (\$)	Pass. rev./ pass.- km (¢)
1875	19.5	12.1	6.4	15.4	3.5	-	-	-	4.1	\$1.23	-
1876	19.4	12.2	6.3	15.8	3.8	-	-	-	3.6	\$1.14	-
1877	18.7	11.4	6.5	15.3	3.2	-	-	-	3.4	\$1.07	-
1878	20.5	13.1	6.4	16.1	3.6	-	-	-	4.4	\$0.99	-
1879	19.9	12.5	6.5	16.1	3.8	-	-	-	3.8	\$1.00	-
1880	23.6	15.5	7.1	16.7	3.7	-	-	-	6.9	\$1.10	-
1881	28.0	18.7	8.2	19.9	4.1	-	-	-	8.1	\$1.18	-
1882	29.0	17.7	10.0	22.3	4.6	-	-	-	6.7	\$1.07	-
1883	33.2	21.3	10.5	24.7	5.0	-	-	-	8.5	\$1.10	-
1884	33.4	20.8	11.2	25.5	5.2	-	-	-	7.9	\$1.12	-
1885	32.2	20.0	10.6	23.0	5.1	-	-	-	9.2	\$1.10	-
1886	33.4	21.2	10.3	24.1	5.2	-	-	-	9.3	\$1.04	-
1887	38.8	24.6	11.9	27.6	6.4	-	-	-	11.2	\$1.11	-
1888	42.2	26.4	12.7	30.6	6.8	-	-	-	11.6	\$1.11	-
1889	42.1	26.7	13.2	31.0	7.0	-	-	-	11.1	\$1.09	-
1890	46.8	29.9	13.7	32.8	7.2	-	-	-	14.0	\$1.07	-
1891	46.2	30.5	14.3	35.0	7.5	-	-	-	13.2	\$1.08	-
1892	51.7	33.2	14.6	36.5	7.7	-	-	-	15.2	\$1.09	-
1893	52.0	32.9	15.1	36.6	7.8	-	-	-	15.4	\$1.11	-
1894	49.6	30.0	15.5	35.2	7.3	-	-	-	14.4	\$1.07	-
1895	46.8	29.5	13.3	32.7	7.0	-	-	-	14.1	\$0.95	-
1896	50.5	32.4	13.7	35.0	7.4	-	-	-	15.5	\$0.93	-
1897	52.4	33.5	13.9	35.2	7.6	-	-	-	17.2	\$0.86	-
1898	59.7	38.5	15.6	39.1	8.6	-	-	-	20.6	\$0.85	-
1899	62.2	40.1	15.9	40.7	9.0	-	-	-	21.5	\$0.83	-
1900	70.7	45.6	18.6	47.7	10.3	-	-	-	23.0	\$0.87	-
1901	72.9	46.7	19.4	50.4	11.2	-	-	-	22.5	\$1.06	-
1902	83.7	54.0	22.6	57.3	13.0	-	-	-	26.4	\$1.09	-
1903	96.1	63.1	24.9	67.5	15.5	-	-	-	28.6	\$1.12	-
1904	100.2	64.7	26.9	74.6	15.6	-	-	-	25.6	\$1.14	-
1905	106.5	68.2	29.0	80.0	17.8	-	-	-	26.5	\$1.15	-
1906	125.3	81.4	33.4	87.1	18.8	-	-	-	38.2	\$1.19	-
1907	146.7	95.2	39.2	103.7	20.9	21.7	57.3	3.8	43.0	\$1.22	-
1908	146.9	93.7	40.0	107.3	20.8	20.3	62.5	3.7	39.6	\$1.18	-
1909	145.1	95.4	39.1	104.6	21.2	21.5	54.3	7.6	40.5	\$1.20	-
1910	174.0	115.9	48.0	120.4	27.0	26.0	58.9	8.5	53.6	\$1.28	1.16
1911	188.7	124.7	50.6	131.0	29.2	26.1	66.3	9.4	57.7	\$1.36	1.21
1912	219.4	148.0	56.5	150.7	31.5	29.8	79.0	10.4	68.7	\$1.37	1.21
1913	256.7	174.7	64.4	182.0	35.9	37.3	96.7	12.1	74.7	\$1.39	1.23
1914	243.1	163.7	62.0	179.0	35.3	36.4	94.1	13.2	64.1	\$1.33	1.25
1915	199.8	132.5	50.2	147.7	28.8	28.2	78.0	12.7	52.1	\$1.08	1.28
1916	261.9	184.1	53.1	180.5	30.0	35.8	93.1	21.6	81.4	\$1.08	1.21
1917	310.8	215.2	61.3	222.9	41.2	46.4	117.6	17.7	87.9	\$1.27	1.21
1918	330.2	228.2	67.1	274.0	51.6	57.3	146.7	18.4	56.2	\$1.49	1.32
1919	408.6	270.5	96.3	376.8	82.3	85.6	184.2	24.7	31.8	\$2.01	1.64
1920	492.1	341.4	102.7	478.2	100.2	115.6	233.5	28.9	13.9	\$2.00	1.81
1921	458.0	319.5	89.9	422.6	88.3	97.4	209.6	27.3	35.4	\$1.92	1.89
1922	440.7	315.6	79.3	393.9	79.9	93.8	191.0	29.2	46.8	\$1.79	1.75
1923	478.3	336.3	85.0	413.9	83.5	92.3	205.3	32.8	64.4	\$1.90	1.72
1924	445.9	310.8	80.2	382.5	78.1	85.1	187.8	31.5	63.4	\$1.87	1.74
1925	455.3	323.6	78.2	372.2	74.0	86.1	180.9	31.2	83.1	\$1.88	1.67
1926	493.6	356.3	81.2	389.5	81.1	91.8	184.1	32.5	104.1	\$1.90	1.68
1927	499.1	359.3	82.2	407.6	86.4	93.8	192.3	35.1	91.5	\$1.97	1.67
1928	563.7	413.6	83.8	442.7	97.8	101.9	208.0	35.0	121.0	\$2.06	1.66
1929	534.1	384.9	80.4	433.1	94.0	100.1	203.0	36.0	101.0	\$2.06	1.72
1930	454.2	322.7	66.8	380.7	78.0	82.1	183.8	36.8	73.5	\$1.93	1.71
1931	358.5	260.5	47.5	321.0	66.1	65.1	156.5	33.3	37.5	\$1.80	1.69
1932	293.4	216.7	36.5	256.7	50.5	49.6	129.2	27.4	36.7	\$1.73	1.58
1933	270.3	201.5	31.9	233.1	48.2	48.0	112.4	24.5	37.2	\$1.66	1.42
1934	300.8	227.3	34.3	252.0	53.5	54.0	118.6	25.9	48.8	\$1.67	1.39
1935	310.1	235.5	34.5	263.9	55.3	57.4	124.4	26.8	46.2	\$1.73	1.35
1936	334.8	256.1	35.9	283.3	60.4	63.8	130.8	28.3	51.5	\$1.75	1.29
1937	355.1	270.5	38.9	300.7	58.3	73.2	139.1	30.1	54.4	\$1.77	1.25
1938	336.8	255.9	37.0	295.7	55.2	69.2	140.3	31.0	41.1	\$1.77	1.29
1939	367.2	286.1	38.1	304.4	57.6	70.0	144.2	32.6	62.8	\$1.76	1.28
1940	429.1	334.4	42.6	335.3	63.9	82.7	157.3	31.4	93.8	\$1.94	1.22
1941	538.3	421.4	59.7	403.7	80.4	98.0	190.6	34.7	134.6	\$1.99	1.16
1942	663.6	503.1	91.4	485.8	100.0	119.3	226.6	39.9	177.8	\$1.92	1.14
1943	778.9	568.8	123.7	560.6	120.6	130.0	261.7	48.3	218.3	\$2.16	1.18
1944	796.6	577.7	131.6	634.8	138.3	146.7	295.8	54.0	161.8	\$2.18	1.19
1945	775.0	558.6	125.1	631.5	132.5	144.5	297.8	56.7	143.5	\$2.34	1.22
1946	718.5	531.8	100.0	623.5	122.1	135.9	304.6	60.9	95.0	\$2.30	1.34
1947	785.2	607.8	87.8	690.8	134.1	145.6	347.6	63.5	94.4	\$2.15	1.46
1948	875.8	698.7	83.5	808.1	160.0	174.5	403.8	69.8	67.7	\$2.18	1.49
1949	894.4	707.4	85.1	831.5	164.9	186.1	406.1	74.4	62.9	\$2.44	1.35
1950	959.0	769.2	78.6	833.7	164.0	189.5	404.0	76.2	125.3	\$2.53	1.73

Railway Operating Revenues and Expenses, 1875-1990

All revenues and expenses are in millions of dollars

	Total railway operating revenues	Freight revenues	Pass- enger revenues	Total railway operating expenses	Ways and structures	Equipment	Rail and water line operation	Traffic, admin. and other expenses	Gross profit	Pass. rev. per pass. (\$)	Pass. rev./ pass.- km (¢)
1951	1,088.6	876.0	89.0	977.6	202.5	224.2	468.7	82.2	111.0	\$2.87	1.78
1952	1,172.2	941.9	90.7	1,057.2	215.4	243.3	504.2	94.3	115.0	\$3.00	1.79
1953	1,205.9	971.8	86.0	1,100.4	227.1	254.0	516.1	103.2	105.5	\$3.00	1.79
1954	1,095.4	872.4	82.1	1,019.5	208.7	227.2	477.1	108.5	75.9	\$2.89	1.78
1955	1,198.4	965.9	83.0	1,048.6	212.4	227.9	485.5	122.8	149.8	\$3.05	1.78
1956	1,300.6	1,110.1	85.3	1,127.9	249.6	251.3	494.2	132.8	172.7	\$3.27	1.82
1957	1,263.1	1,080.1	86.9	1,136.9	265.1	256.7	478.4	136.7	126.2	\$3.78	1.85
1958	1,183.7	995.9	77.3	1,080.3	248.6	253.7	440.1	137.9	83.4	\$3.61	1.93
1959	1,224.8	1,058.0	73.6	1,103.1	260.0	256.8	443.3	143.0	121.5	\$3.52	1.87
1960	1,151.7	992.7	69.2	1,050.8	244.0	249.5	424.9	132.2	101.1	\$3.55	1.80
1961	1,158.5	1,013.0	81.2	1,053.7	243.4	249.4	424.9	137.5	102.8	\$3.26	1.94
1962	1,185.3	1,019.5	60.8	1,059.0	239.7	250.2	424.9	144.2	108.3	\$3.15	1.87
1963	1,210.2	1,067.3	59.5	1,081.4	242.9	259.7	427.7	151.1	128.8	\$2.88	1.79
1964	1,324.4	1,169.5	63.7	1,156.3	249.0	277.2	467.9	162.2	168.1	\$2.78	1.48
1965	1,372.3	1,210.7	65.7	1,202.2	251.1	284.9	493.4	172.8	170.1	\$2.67	1.53
1966	1,480.8	1,322.0	62.8	1,264.1	260.1	295.9	522.7	185.4	216.7	\$2.71	1.51
1967	1,519.4	1,222.2	78.7	1,341.1	271.9	316.0	556.0	197.2	178.3	\$3.19	1.56
1968	1,529.0	1,267.4	64.0	1,328.4	266.4	314.8	546.3	200.9	200.6	\$3.21	1.56
1969	1,583.8	1,331.3	63.0	1,393.2	275.3	326.6	582.6	208.7	190.6	\$3.34	1.68
1970	1,679.8	1,436.0	63.7	1,456.7	285.1	347.9	611.2	212.5	223.1	\$2.67	1.74
1971	1,805.7	1,579.7	64.4	1,572.6	301.3	381.9	660.8	228.6	233.1	\$2.67	1.83
1972	1,940.6	1,688.1	69.8	1,686.2	326.5	395.0	717.9	246.8	254.4	\$3.03	2.12
1973	2,123.0	1,822.7	57.2	1,864.3	354.8	420.1	784.8	304.6	258.7	\$2.89	2.22
1974	2,569.0	2,141.7	83.2	2,313.6	449.2	494.1	1,009.0	361.3	255.4	\$3.45	2.75
1975	2,733.8	2,263.2	83.8	2,577.9	501.9	544.9	1,119.3	411.8	155.9	\$3.56	2.86
1976	3,192.5	2,630.0	89.8	2,808.1	569.4	574.1	1,198.7	467.8	384.4	\$3.80	3.05
1977	3,538.1	2,935.3	99.0	3,074.0	626.3	665.4	1,299.2	483.0	464.1	\$4.15	3.34
1978	3,882.3	3,208.1	113.0	3,368.0	668.0	747.3	1,395.3	557.4	514.3	\$4.72	3.68
1979	4,752.4	3,721.5	166.7	3,848.7	744.3	837.3	1,601.8	665.3	903.8	\$7.03	5.25
1980	5,333.8	4,134.1	172.5	4,258.5	798.7	949.6	1,775.7	732.5	1,077.4	\$7.51	5.26
1981	6,144.6	4,635.2	198.3	4,877.7	936.4	1,082.7	2,049.4	809.2	1,267.0	\$8.15	6.05
1982	6,311.6	4,514.6	195.8	5,660.9	946.9	1,381.5	2,156.9	1,175.5	650.8	\$9.17	7.42
1983	7,037.4	5,286.7	210.4	5,872.6	1,037.1	1,464.9	2,201.2	1,169.4	1,164.8	\$9.93	7.18
1984	7,644.8	6,225.7	218.5	6,321.3	1,138.4	1,616.1	2,426.7	1,140.0	1,323.3	\$9.98	7.50
1985	7,668.8	6,137.5	244.7	6,452.1	1,143.0	1,608.1	2,440.6	1,260.4	1,216.7	\$10.67	8.05
1986	7,570.5	6,216.8	250.0	6,375.6	1,182.9	1,555.2	2,331.0	1,306.5	1,194.9	\$10.87	8.83
1987	7,899.3	6,562.5	244.7	6,312.3	1,222.5	1,491.2	2,305.9	1,292.7	1,586.9	\$10.33	9.04
1988	8,003.1	6,571.0	276.7	6,476.2	1,271.7	1,510.7	2,362.9	1,330.9	1,527.0	\$10.36	9.26
1989	7,446.6	6,084.5	317.6	6,599.5	1,258.9	1,552.2	2,315.0	1,473.5	847.1	\$10.22	9.99
1990	7,068.4	5,993.1	219.0	6,247.7	1,238.0	1,430.5	2,288.2	1,291.0	820.6	\$7.52	10.93

Average annual growth rates (%)

1875-1900	5.3	5.5	4.4	4.6	4.4	-	-	-	7.1	-1.4	-
1900-1925	7.7	8.2	5.9	8.6	8.2	-	-	-	5.3	3.2	-
1925-1950	3.0	3.5	0.0	3.3	3.2	3.2	3.3	3.6	1.7	1.2	0.2
1950-1975	4.3	4.4	0.3	4.6	4.6	4.3	4.2	7.0	0.9	1.4	2.0
1975-1990	6.5	6.7	6.6	6.1	6.2	6.6	4.9	7.9	11.7	5.1	9.3
1982-1990	1.4	3.6	1.4	1.2	3.4	0.4	0.7	1.2	2.9	-2.5	5.0
1875-1990	5.3	5.5	3.1	5.4	5.2	-	-	-	4.7	1.6	-
1950-1990	5.1	5.3	2.6	5.2	5.2	5.2	4.4	7.3	4.8	2.8	4.7

Sources:

1875-1945: M.C. Urquhart and K. Buckley, eds., *Historical Statistics of Canada*, 1st ed. (Toronto: Macmillan, 1965), p. 530 (1875-1906), pp. 537-538 (1907-1945).

1946-1975: Statistics Canada, *Historical Statistics of Canada*, 2nd ed., ed. F.H. Leacy (Ottawa: Supply and Services, 1983), Series T59, T61, T62, T68-73.

1976-1981: Statistics Canada, *Railway Transport: Part II, Financial Statistics*, Catalogue no. 52-208, Tables 2 and 3.

1982-1986: Statistics Canada, *Railway Transport in Canada, General Statistics*, Catalogue no. 52-215, Table 1.

1987-1990: Statistics Canada, *Rail in Canada*, Catalogue no. 52-216, Figure 2.5.

Notes:

1) From 1978-1981, total passenger revenues were distorted due to revenues received by other railways from VIA rail for trackage rights and other services. The amount of these payments, initially shown in "railway line" expenses, was subtracted from both passenger revenues and the "railway line" total to avoid this double-count. From 1982 on, these payments were identified separately in the revenue statement.

2) Owing to changes in the Uniform Classification of Accounts, individual revenue or expense items are not strictly comparable with the definitions before 1982. Consequently, a discontinuity exists in these series after 1981. Although totals are consistent, the new sub-categories (e.g. "equipment expenses") add, omit, or aggregate expense items in ways different from the old ones.

3) Expense data from 1982 onwards are net of taxes and equipment and joint facility rents; they also exclude line 6 of the general expenses. As a result, expense totals here are less than the published figures.

4) Data before 1907 are not totally consistent with definitions used after this date. Caution should be exercised when making comparisons.

5) As of 1919, data for the calendar year are recorded; previously the year ending June 30 was used.

Railway Operating Statistics, 1875-1990

	Rail line in operation (km)	Revenue freight tonnes carried (millions)	Revenue freight tonne- kilometres (millions)	Revenue passengers carried (millions)	Population of Canada ('000s)	Trips/ person (number)	Revenue passenger- kilometres (millions)	Average passenger journey (km)	Passenger- kilometres/ person (km)
1875	7,768	5.1	-	5.2	3,954	1.3	-	-	-
1876	8,299	5.7	-	5.5	4,009	1.4	-	-	-
1877	8,970	6.2	-	6.1	4,064	1.5	-	-	-
1878	11,048	7.2	-	6.4	4,120	1.6	-	-	-
1879	11,336	7.6	-	6.5	4,185	1.6	-	-	-
1880	11,636	9.0	-	6.5	4,255	1.5	-	-	-
1881	12,225	10.9	-	6.9	4,325	1.6	-	-	-
1882	12,966	12.3	-	9.4	4,375	2.1	-	-	-
1883	14,590	12.0	-	9.6	4,430	2.2	-	-	-
1884	16,013	12.4	-	10.0	4,467	2.2	-	-	-
1885	17,337	13.3	-	9.7	4,537	2.1	-	-	-
1886	18,546	14.2	-	9.9	4,580	2.2	-	-	-
1887	19,846	14.8	-	10.7	4,626	2.3	-	-	-
1888	20,442	15.6	-	11.4	4,678	2.4	-	-	-
1889	21,445	16.3	-	12.2	4,729	2.6	-	-	-
1890	22,537	18.9	-	12.8	4,779	2.7	-	-	-
1891	23,551	19.7	-	13.2	4,833	2.7	-	-	-
1892	23,931	20.1	-	13.5	4,883	2.8	-	-	-
1893	24,655	20.0	-	13.6	4,931	2.8	-	-	-
1894	25,376	18.8	-	14.5	4,979	2.9	-	-	-
1895	25,896	19.5	-	14.0	5,026	2.8	-	-	-
1896	26,372	22.0	-	14.6	5,074	2.9	-	-	-
1897	26,855	23.0	-	16.2	5,122	3.2	-	-	-
1898	27,150	26.1	-	18.4	5,175	3.6	-	-	-
1899	27,937	28.3	-	19.1	5,235	3.7	-	-	-
1900	28,685	32.6	-	21.5	5,301	4.1	-	-	-
1901	29,441	33.6	-	18.4	5,371	3.4	-	-	-
1902	30,365	38.4	-	20.7	5,494	3.8	-	-	-
1903	30,703	43.0	-	22.1	5,651	3.9	-	-	-
1904	31,561	43.6	-	23.6	5,827	4.1	-	-	-
1905	33,154	46.2	-	25.3	6,002	4.2	-	-	-
1906	34,630	52.6	-	28.0	6,097	4.6	-	-	-
1907	44,436	58.0	17,064	32.1	6,411	5.0	-	-	-
1908	46,180	57.2	18,923	34.0	6,625	5.1	-	-	-
1909	48,811	60.6	19,214	32.7	6,800	4.8	-	-	-
1910	50,580	67.6	22,939	35.9	6,988	5.1	3,970.3	111	568
1911	52,399	72.5	23,430	37.1	7,207	5.1	4,194.0	113	582
1912	55,730	81.1	28,554	41.1	7,389	5.6	4,683.2	114	634
1913	61,514	97.1	33,628	46.2	7,632	6.1	5,256.1	114	689
1914	65,347	92.0	32,212	46.7	7,879	5.9	4,971.3	106	631
1915	73,761	79.1	25,785	46.3	7,981	5.8	3,925.2	85	492
1916	77,762	99.5	41,164	49.0	8,001	6.1	4,388.7	90	549
1917	80,874	110.6	45,532	48.1	8,060	6.0	5,069.4	105	629
1918	81,497	115.7	45,302	44.9	8,148	5.5	5,087.1	113	624
1919	81,579	101.2	39,347	47.9	8,311	5.8	5,888.6	123	709
1920	82,357	115.6	46,565	51.3	8,556	6.0	5,669.7	111	663
1921	83,279	93.5	38,867	46.8	8,788	5.3	4,765.3	102	542
1922	83,461	98.4	44,336	44.4	8,919	5.0	4,528.7	102	508
1923	83,563	107.3	49,738	44.8	9,010	5.0	4,950.3	110	549
1924	84,800	96.5	44,549	42.9	9,143	4.7	4,622.0	108	506
1925	87,066	99.7	46,668	41.5	9,294	4.5	4,684.8	113	504
1926	87,354	111.1	49,863	42.7	9,451	4.5	4,826.4	113	511
1927	88,058	114.3	50,956	41.8	9,637	4.3	4,911.7	118	510
1928	89,246	128.1	60,750	40.6	9,835	4.1	5,054.9	125	514
1929	89,822	125.1	51,137	39.1	10,029	3.9	4,662.3	119	465
1930	91,065	104.5	43,222	34.7	10,208	3.4	3,899.4	112	382
1931	91,493	78.0	37,532	26.4	10,377	2.5	2,813.1	107	271
1932	91,739	61.4	33,779	21.1	10,510	2.0	2,311.0	110	220
1933	91,216	57.7	30,795	19.2	10,633	1.8	2,241.8	117	211
1934	90,959	68.7	34,047	20.5	10,741	1.9	2,463.9	120	229
1935	92,008	69.9	35,514	20.0	10,845	1.8	2,550.8	128	235
1936	91,237	76.8	38,564	20.5	10,950	1.9	2,777.7	135	254
1937	91,467	83.9	39,311	22.0	11,045	2.0	3,104.4	141	281
1938	91,346	76.8	39,178	20.9	11,152	1.9	2,869.5	137	257
1939	91,090	85.6	45,938	20.5	11,267	1.8	2,819.8	138	250
1940	90,981	100.2	55,330	22.0	11,381	1.9	3,503.5	159	306
1941	91,251	121.7	72,973	30.0	11,507	2.6	5,159.6	172	448
1942	91,063	141.2	81,983	47.6	11,654	4.1	8,029.0	169	689
1943	91,451	160.8	93,314	57.2	11,795	4.8	10,501.0	184	890
1944	91,554	160.9	96,253	60.3	11,946	5.0	11,061.0	183	926
1945	91,631	152.2	92,488	53.4	12,072	4.4	10,267.6	192	851
1946	91,741	145.7	80,751	43.4	12,292	3.5	7,481.8	172	609
1947	91,815	159.3	87,807	40.9	12,551	3.3	6,007.7	147	479
1948	91,741	160.3	86,256	38.3	12,823	3.0	5,595.7	146	436
1949	93,075	147.2	82,252	34.9	13,447	2.6	6,297.4	180	468
1950	93,337	149.1	81,084	31.1	13,712	2.3	4,531.9	146	331

Railway Operating Statistics, 1875-1990

	Rail line in operation (km)	Revenue freight tonnes carried (millions)	Revenue freight tonne- kilometres (millions)	Revenue passengers carried (millions)	Population of Canada ('000s)	Trips/ person (number)	Revenue passenger- kilometres (millions)	Average passenger journey (km)	Passenger- kilometres/ person (km)
1951	93,583	167.3	93,877	31.0	14,009	2.2	5,005.1	161	357
1952	93,810	167.9	99,906	30.2	14,459	2.1	5,071.0	168	351
1953	94,460	160.4	95,288	28.7	14,845	1.9	4,805.5	167	324
1954	94,565	147.4	84,017	28.4	15,287	1.9	4,607.8	162	301
1955	95,458	171.0	96,615	27.2	15,696	1.7	4,654.2	171	296
1956	96,287	194.2	115,075	26.1	16,081	1.8	4,680.0	179	291
1957	95,107	178.6	103,727	23.0	16,610	1.4	4,707.3	205	283
1958	95,485	158.0	96,879	21.4	17,080	1.3	4,000.8	187	234
1959	95,585	168.9	99,215	20.9	17,483	1.2	3,936.5	188	225
1960	95,262	162.2	95,548	19.5	17,870	1.1	3,643.6	187	204
1961	94,600	158.4	96,108	18.8	18,238	1.0	3,155.3	168	173
1962	94,563	168.8	99,186	19.3	18,583	1.0	3,249.0	169	175
1963	94,164	176.5	110,660	20.6	18,931	1.1	3,330.6	161	176
1964	94,055	191.9	124,146	22.9	19,291	1.2	4,315.0	188	224
1965	93,989	207.0	127,296	24.6	19,644	1.3	4,287.5	174	218
1966	93,825	218.3	138,840	23.2	20,015	1.2	4,164.1	180	208
1967	94,195	226.1	137,384	24.6	20,378	1.2	5,045.8	205	248
1968	94,401	231.6	138,844	20.0	20,701	1.0	4,109.6	206	199
1969	95,135	220.3	140,830	18.9	21,001	0.9	3,759.3	199	179
1970	95,964	248.2	160,750	23.8	21,297	1.1	3,656.6	153	172
1971	96,094	250.3	173,094	24.1	21,568	1.1	3,517.8	146	163
1972	96,620	249.6	180,536	23.0	21,802	1.1	3,287.6	143	151
1973	96,957	277.7	190,906	19.8	22,043	0.9	2,573.1	130	117
1974	96,958	285.2	202,433	24.1	22,364	1.1	3,022.5	125	135
1975	96,633	255.8	197,216	23.6	22,697	1.0	2,930.4	124	129
1976	96,319	273.1	202,223	23.6	22,993	1.0	2,942.2	124	128
1977	94,987	282.2	212,416	23.9	23,273	1.0	2,966.5	124	127
1978	94,085	270.8	215,352	23.9	23,517	1.0	3,073.6	128	131
1979	94,052	294.3	233,829	23.7	23,747	1.0	3,174.9	134	134
1980	93,361	291.4	234,972	23.0	24,043	1.0	3,280.0	143	136
1981	92,413	278.5	234,374	24.3	24,342	1.0	3,275.9	135	135
1982	98,927	239.7	219,418	21.3	24,583	0.9	2,639.9	124	107
1983	99,444	249.6	225,380	21.2	24,787	0.9	2,932.3	138	118
1984	97,387	283.4	253,971	21.9	24,976	0.9	2,914.7	133	117
1985	95,670	272.0	242,121	22.9	25,165	0.9	3,040.5	133	121
1986	93,544	272.3	244,784	23.0	25,353	0.9	2,831.1	123	112
1987	94,184	285.5	267,764	23.7	25,617	0.9	2,708.7	114	106
1988	91,334	293.8	271,045	26.7	25,909	1.0	2,989.2	112	115
1989	89,104	280.8	249,036	31.1	26,240	1.2	3,178.3	102	121
1990	86,880	268.7	248,371	29.1	26,603	1.1	2,004.4	69	75

Average annual growth rates (%)

1875-1900	5.4	7.7	-	5.8	1.2	4.6	-	-	-
1900-1925	4.5	4.6	-	2.7	2.3	0.4	-	-	-
1925-1950	0.3	1.6	2.2	-1.1	1.8	-2.7	-0.1	1.0	-1.7
1950-1975	0.1	2.2	3.6	-1.1	2.0	-3.1	-1.7	-0.6	-3.7
1975-1990	-0.7	0.3	1.5	1.4	1.1	0.4	-2.5	-3.9	-3.5
1982-1990	-1.6	1.4	1.6	4.0	1.0	2.9	-3.4	-7.1	-4.3
1875-1990	2.1	3.5	-	1.5	1.7	-0.2	-	-	-
1950-1990	-0.2	1.5	2.8	-0.2	1.7	-1.8	-2.0	-1.9	-3.6

Sources:

1875-1945: M.C. Urquhart and K. Buckley, eds., *Historical Statistics of Canada*, 1st ed. (Toronto: Macmillan, 1965), pp. 528-529 (1875-1906), and p. 532 (Rail line in operation (Series 77)) and pp. 534-535 (1907-1945).

1946-1975: Statistics Canada, *Historical Statistics of Canada*, 2nd ed., ed. F.H. Leacy (Ottawa: Supply and Services, 1983), Series T5, T39, T40, T44, T45.

1976-1987: Statistics Canada, *Rail in Canada 1987*, Catalogue no. 52-216, pp. 31-32.

1988-1990: Statistics Canada, *Rail in Canada*, Catalogue no. 52-216, 1988-1990 issues.

Exceptions: Rail line data are taken from Statistics Canada, *Railway Transport: Part III (Equipment, Track and Fuel Statistics)*, Catalogue no. 52-209, for 1976-1981, and Statistics Canada, *Rail in Canada*, Catalogue no. 52-216, p. 65 of the 1987 issue and p. 48 of the 1990 issue. Note the discontinuity after 1981 in this series due to UCA revisions. Miles completed were used from 1875-1906.

Population figures from 1875-1920 are from the first source listed, p. 14; from 1921-1989, figures are from Statistics Canada, *Canadian Economic Observer, Historical Statistical Supplement 1990/1991*, Catalogue no. 11-210, July 1991, pp. 96-97.

Freight tonnes carried data from 1961-1987 are from source three, p. 31.

Notes: 1) Data before 1907 are not totally consistent with definitions used after this date. Caution should be exercised when making comparisons; 2) As of 1919, data for the calendar year are recorded; previously the year ending June 30 was used; 3) GO Transit passenger operations were shown for the first time in 1970.

C-2.3

Passenger Revenue and Subsidy Breakdowns Between Intercity and Commuter Rail Services, 1982-1990

	Operating revenues				Passenger-kilometres (millions)				Revenue per passenger-km (¢)			
	VIA	Other intercity	Commuter services	Total	VIA	Other intercity	Comm. services	Total	VIA	Other intercity	Comm. services	Total
I. Revenues from intercity services (\$'000s)												
1982	118,040	9,544	-	127,584	2,108	160	-	2,267	5.60	5.98	-	5.63
1983	148,908	7,201	-	156,109	2,411	134	-	2,545	6.17	5.38	-	6.13
1984	145,003	8,162	-	153,165	2,379	136	-	2,515	6.09	6.02	-	6.09
1985	164,247	8,583	-	172,830	2,483	139	-	2,622	6.81	6.16	-	6.59
1986	164,271	8,985	-	173,256	2,261	129	-	2,390	7.26	6.95	-	7.25
1987	157,748	9,289	-	167,037	2,093	144	-	2,236	7.54	6.47	-	7.47
1988	172,368	10,383	-	182,751	2,299	120	-	2,418	7.50	8.69	-	7.56
1989	187,597	12,075	-	199,672	2,442	124	-	2,566	7.68	9.74	-	7.78
1990	119,488	11,568	-	131,056	1,286	106	-	1,391	9.29	10.96	-	9.42
II. Revenues from commuter services (\$'000s)												
1982	-	-	27,767	27,767	-	-	373	373	-	-	7.45	7.45
1983	-	-	28,072	28,072	-	-	387	387	-	-	7.25	7.25
1984	-	-	31,272	31,272	-	-	400	400	-	-	7.82	7.82
1985	-	-	32,569	32,569	-	-	418	418	-	-	7.79	7.79
1986	-	-	35,689	35,689	-	-	441	441	-	-	8.10	8.10
1987	-	-	40,105	40,105	-	-	472	472	-	-	8.49	8.49
1988	-	-	47,711	47,711	-	-	571	571	-	-	8.36	8.36
1989	-	-	62,279	62,279	-	-	612	612	-	-	10.17	10.17
1990	-	-	68,271	68,271	-	-	613	613	-	-	11.13	11.13
III. Other revenues associated with passenger services (\$'000s)												
1982	39,304	1,147	-	40,451	2,108	160	-	2,267	1.86	0.72	-	1.78
1983	24,259	1,083	-	25,342	2,411	134	-	2,545	1.01	0.81	-	1.00
1984	30,464	3,602	-	34,066	2,379	136	-	2,515	1.28	2.66	-	1.35
1985	35,512	3,817	-	39,329	2,483	139	-	2,622	1.43	2.74	-	1.50
1986	37,483	3,597	-	41,080	2,261	129	-	2,390	1.66	2.78	-	1.72
1987	34,476	2,957	-	37,433	2,093	144	-	2,236	1.65	2.06	-	1.67
1988	43,977	2,240	-	46,217	2,299	120	-	2,418	1.91	1.87	-	1.91
1989	51,950	3,259	-	55,209	2,442	124	-	2,566	2.13	-	-	2.15
1990	14,704	4,948	-	19,652	1,286	106	-	1,391	1.14	-	-	1.41
IV. Total operating revenues (\$'000s)												
1982	157,344	10,691	27,767	195,802	2,108	160	373	2,640	7.47	6.70	7.45	7.42
1983	173,167	8,284	28,072	209,523	2,411	134	387	2,932	7.18	6.19	7.25	7.15
1984	175,467	11,764	31,272	218,503	2,379	136	400	2,915	7.37	6.66	7.82	7.50
1985	199,759	12,400	32,569	244,728	2,483	139	418	3,041	8.05	8.90	7.79	8.05
1986	201,754	12,582	35,689	250,025	2,261	129	441	2,831	8.92	9.74	8.10	8.83
1987	192,224	12,246	40,105	244,575	2,093	144	472	2,709	9.19	8.53	8.49	9.03
1988	216,345	12,623	47,711	276,679	2,299	120	571	2,969	9.41	10.56	8.36	9.26
1989	239,547	15,334	62,279	317,160	2,442	124	612	3,178	9.81	12.37	10.17	9.98
1990	134,192	16,516	68,271	218,979	1,286	106	613	2,004	10.44	15.65	11.13	10.93
V. Subsidies for passenger services (\$'000s)												
1982	449,076	5,735	35,671	490,482	2,108	160	373	2,640	21.31	3.59	9.58	18.58
1983	451,200	5,054	49,520	505,774	2,411	134	387	2,932	18.71	3.78	12.79	17.25
1984	397,797	4,620	59,441	461,858	2,379	136	400	2,915	16.72	3.41	14.87	15.85
1985	523,602	3,626	70,005	597,233	2,483	139	418	3,041	21.09	2.60	16.74	19.64
1986	481,880	3,865	77,140	562,885	2,261	129	441	2,831	20.43	2.99	17.50	19.18
1987	517,067	3,087	70,904	591,058	2,093	144	472	2,709	24.71	2.15	15.01	21.82
1988	564,651	6,365	70,320	641,336	2,299	120	571	2,969	24.56	5.33	12.32	21.46
1989	470,935	5,889	77,689	554,512	2,442	124	612	3,178	19.28	4.75	12.69	17.45
1990	350,324	3,428	64,142	437,894	1,286	106	613	2,004	27.25	3.25	13.72	21.85
VI. Total passenger revenues and subsidies (\$'000s)												
1982	606,420	16,426	63,438	686,284	2,108	160	373	2,640	26.77	10.29	17.03	26.00
1983	624,367	13,338	77,592	715,297	2,411	134	387	2,932	25.89	9.97	20.05	24.39
1984	573,264	16,384	90,713	680,361	2,379	136	400	2,915	24.09	12.09	22.69	23.34
1985	723,361	16,026	102,574	841,961	2,483	139	418	3,041	29.13	11.50	24.53	27.69
1986	663,634	16,447	112,829	792,910	2,261	129	441	2,831	29.35	12.73	25.60	28.01
1987	709,291	15,333	111,009	835,633	2,093	144	472	2,709	33.89	10.68	23.49	30.85
1988	780,996	18,988	118,031	918,015	2,299	120	571	2,969	33.98	15.89	20.67	30.71
1989	710,482	21,223	139,968	871,672	2,442	124	612	3,178	29.09	17.12	22.86	27.43
1990	484,516	19,944	152,413	656,873	1,286	106	613	2,004	37.69	18.90	24.86	32.77

Sources:

Revenues: 1982-1986: Statistics Canada, *Railway Transport in Canada, General Statistics*, Catalogue no. 52-215, Table 2;
1987-1990: Unpublished data from Statistics Canada.

Subsidies: 1982-1986: Same as above only subsidies are found in Table 6; 1987-1990: Unpublished data from Statistics Canada.

Passenger-kilometres: see next table.

Passenger Traffic Statistics, for VIA Rail and Other Intercity and Commuter Rail Services, 1970–1990

	VIA Rail	Other intercity carriers	Total intercity	VIA Rail share of total intercity	Other intercity share of total intercity	Total commuter	Grand total	VIA Rail share of grand total	Other intercity share of grand total	Commuter share of grand total
I. Revenue passengers carried (number)										
1970	—	7,294,705	7,294,705	—	100.0%	16,554,407	23,849,112	—	30.8%	69.4%
1971	—	6,709,109	6,709,109	—	100.0%	17,409,869	24,118,978	—	27.8%	72.2%
1972	—	6,376,366	6,376,366	—	100.0%	16,635,410	23,011,776	—	27.7%	72.3%
1973	—	5,045,199	5,045,199	—	100.0%	14,776,734	19,821,933	—	25.5%	74.5%
1974	—	5,842,279	5,842,279	—	100.0%	18,291,781	24,134,040	—	24.2%	75.8%
1975	—	5,125,800	5,125,800	—	100.0%	18,444,975	23,570,775	—	21.7%	78.3%
1976	—	5,326,135	5,326,135	—	100.0%	18,310,118	23,636,253	—	22.5%	77.5%
1977	—	5,574,310	5,574,310	—	100.0%	18,287,950	23,862,260	—	23.4%	76.6%
1978	n/a	5,653,081	5,653,081	—	100.0%	18,280,074	23,933,135	—	23.6%	76.4%
1979	4,854,000	1,731,778	6,585,778	73.7%	26.3%	17,122,563	23,706,341	20.5%	7.3%	72.2%
1980	6,838,044	581,009	7,417,053	92.2%	7.8%	15,546,646	22,963,699	29.6%	2.5%	67.7%
1981	7,141,011	583,688	7,724,679	92.4%	7.6%	16,806,442	24,331,121	29.3%	2.4%	68.3%
1982	6,210,872	1,509,956	7,720,828	80.4%	19.6%	13,625,000	21,345,828	29.1%	7.1%	63.8%
1983	6,541,258	509,725	7,050,983	92.8%	7.2%	14,148,000	21,198,983	30.9%	2.4%	66.7%
1984	6,769,638	489,042	7,268,680	93.1%	6.9%	14,615,000	21,883,680	30.9%	2.3%	66.8%
1985	7,033,538	619,899	7,653,437	91.9%	8.1%	15,284,000	22,937,437	30.7%	2.7%	66.6%
1986	6,286,155	595,241	6,881,396	91.3%	8.7%	16,110,000	22,991,396	27.3%	2.6%	70.1%
1987	5,865,497	585,629	6,431,126	91.2%	8.8%	17,270,000	23,701,126	24.7%	2.4%	72.9%
1988	6,415,254	582,294	6,997,548	91.7%	8.3%	19,710,000	26,707,548	24.0%	2.2%	73.8%
1989	6,457,277	636,226	7,093,503	91.0%	9.0%	23,985,000	31,078,503	20.8%	2.0%	77.2%
1990	3,564,000	571,050	4,135,050	86.2%	13.8%	24,984,000	29,119,050	12.2%	2.0%	85.8%
II. Revenue passenger—kilometres travelled ('000s)										
1970	—	3,327,602	3,327,602	—	100.0%	329,046	3,656,648	—	91.0%	9.0%
1971	—	3,188,382	3,188,382	—	100.0%	329,483	3,517,846	—	90.6%	9.4%
1972	—	2,961,479	2,961,479	—	100.0%	326,101	3,287,581	—	90.1%	9.9%
1973	—	2,280,164	2,280,164	—	100.0%	292,899	2,573,063	—	88.6%	11.4%
1974	—	2,653,567	2,653,567	—	100.0%	368,979	3,022,546	—	87.8%	12.2%
1975	—	2,522,698	2,522,698	—	100.0%	407,729	2,930,427	—	86.1%	13.9%
1976	—	2,519,521	2,519,521	—	100.0%	422,638	2,942,159	—	85.6%	14.4%
1977	—	2,541,661	2,541,661	—	100.0%	424,828	2,966,489	—	85.7%	14.3%
1978	126,551	2,510,407	2,636,958	—	95.2%	436,601	3,073,559	—	81.7%	14.2%
1979	2,150,180	598,745	2,748,925	78.2%	21.8%	426,011	3,174,936	67.7%	18.9%	13.4%
1980	2,720,136	161,026	2,881,162	94.4%	5.6%	398,874	3,280,036	82.9%	4.9%	12.2%
1981	2,689,257	154,756	2,844,013	94.6%	5.4%	431,855	3,275,868	82.1%	4.7%	13.2%
1982	2,107,724	159,639	2,267,363	93.0%	7.0%	372,545	2,639,908	79.8%	6.0%	14.1%
1983	2,411,487	133,731	2,545,218	94.7%	5.3%	387,073	2,932,291	82.2%	4.6%	13.2%
1984	2,379,328	135,545	2,514,873	94.6%	5.4%	399,850	2,914,723	81.6%	4.7%	13.7%
1985	2,483,006	139,343	2,622,349	94.7%	5.3%	418,153	3,040,502	81.7%	4.6%	13.8%
1986	2,261,180	129,217	2,390,397	94.6%	5.4%	440,751	2,831,148	79.9%	4.6%	15.6%
1987	2,092,623	143,560	2,236,184	93.6%	6.4%	472,487	2,708,671	77.3%	5.3%	17.4%
1988	2,298,674	119,530	2,418,204	95.1%	4.9%	570,963	2,989,167	78.9%	4.0%	19.1%
1989	2,442,094	123,981	2,566,075	95.2%	4.8%	612,199	3,178,274	76.8%	3.9%	19.3%
1990	1,285,678	105,522	1,391,200	92.4%	7.6%	613,160	2,004,360	64.1%	5.3%	30.6%
III. Implicit average trip length (kilometres)										
1970	—	456.2	456.2	—	100.0%	19.9	153.3	—	297.5%	13.0%
1971	—	475.2	475.2	—	100.0%	18.9	145.9	—	325.8%	13.0%
1972	—	464.4	464.4	—	100.0%	19.6	142.9	—	325.1%	13.7%
1973	—	451.9	451.9	—	100.0%	19.8	129.8	—	348.2%	15.3%
1974	—	454.2	454.2	—	100.0%	20.2	125.2	—	362.7%	16.1%
1975	—	492.2	492.2	—	100.0%	22.1	124.3	—	395.9%	17.8%
1976	—	473.0	473.0	—	100.0%	23.1	124.5	—	380.0%	18.5%
1977	—	456.0	456.0	—	100.0%	23.2	124.3	—	366.8%	18.7%
1978	—	444.1	466.5	—	95.2%	23.9	128.4	—	345.8%	18.6%
1979	443.0	345.7	417.4	106.1%	82.8%	24.9	133.9	330.8%	258.2%	18.6%
1980	397.9	277.1	388.5	102.4%	71.3%	25.7	142.8	278.6%	194.0%	18.0%
1981	376.6	265.1	368.2	102.3%	72.0%	26.0	134.6	279.7%	198.9%	19.3%
1982	339.4	105.7	293.7	115.6%	36.0%	27.3	123.7	274.4%	85.5%	22.1%
1983	368.7	262.4	361.0	102.1%	72.7%	27.4	138.3	266.5%	189.7%	19.8%
1984	351.5	271.6	346.0	101.6%	78.5%	27.4	133.2	263.9%	203.9%	20.5%
1985	353.0	224.8	342.8	103.0%	65.6%	27.4	132.6	266.3%	169.6%	20.6%
1986	359.7	217.1	347.4	103.6%	62.5%	27.4	123.1	292.1%	176.3%	22.2%
1987	356.8	253.8	347.7	102.6%	73.0%	27.4	114.3	312.2%	222.1%	23.9%
1988	358.3	205.3	345.6	103.7%	59.4%	29.0	111.9	320.1%	183.4%	25.8%
1989	378.2	194.9	361.8	104.5%	53.9%	25.5	102.3	369.8%	190.6%	25.0%
1990	380.7	184.8	336.4	107.2%	54.9%	24.5	68.8	524.1%	268.5%	35.7%

Sources:

Intercity and commuter passengers and passenger—kilometres:

1970–1981: Statistics Canada, *Railway Transport: Part IV, Operating and Traffic Statistics*, Catalogue no. 52–210, Table 1.

1982–1990: Unpublished data from Statistics Canada.

VIA Rail passengers and passenger—kilometres:

1979–1981: same as first source except data appear in Table 2; 1982–1986: Statistics Canada, *Railway Transport in Canada, General Statistics*, Catalogue no. 52–215, Table 17; 1987–1990: Unpublished data from Statistics Canada;

Note: Total intercity passenger—kilometres for 1978 exclude the 127 million passenger—kilometres reported by VIA Rail prior to its full start—up in 1979.

The Rail Passenger Network, Summer/Fall 1990 and Summer/Fall 1989

	Summer/Fall 1990			Summer/Fall 1989		
	Cumulative distance (km)	Segment distance (km)	Corridor distance (km)	Cumulative distance (km)	Segment distance (km)	Corridor distance (km)
I. VIA RAIL						
Sydney—Truro	—	—		—	370	
Yarmouth—Halifax	—	—		—	348	
Halifax—Truro	103	103		103	103	
Truro—Moncton	304	201		304	201	
Moncton—Saint John	449	145		449	145	
Saint John—Fredericton	520	71		520	71	
Fredericton—Sherbrooke	1,051	531		1,051	531	
Sherbrooke—Montreal	1,210	159		1,210	159	
Subtotal		1,210			1,928	
Moncton—Edmunston	—	—		—	372	
Moncton—Campbellton	301	301		301	301	
Campbellton—Matapedia	320	19		320	19	
Matapedia—Levis	789	469		789	469	
Levis—Charny	801	12		801	12	
Charny—Montreal	1,048	247	247	1,048	247	247
Subtotal		1,048			1,420	
Gaspe—Matapedia	—	325		—	325	
Montreal—Hervey	203	203		203	203	
Hervey—Jonquiere	496	293		496	293	
Subtotal		496			496	
Hervey—Senneterre	500	500		500	500	
Senneterre—Cochrane	796	296		796	296	
Cochrane—Kapuskasing	—	—		907	111	
Subtotal		796			907	
Quebec—Charny	—	26	26	—	26	26
Quebec—Trois—Rivieres	—	—		129	129	129
Trois—Rivieres—Montreal	—	—		277	148	148
Subtotal		26			303	
Montreal—Brockville	204	204	204	204	204	204
Brockville—Kingston	285	81	81	285	81	81
Kingston—Toronto	539	254	254	539	254	254
Toronto—Peterborough	—	—		—	124	
Peterborough—Havelock	—	—		163	39	
Subtotal		539			702	
Ottawa—North Bay	—	—		—	397	
North Bay—Sudbury	—	—		524	127	
Montreal—Ottawa	—	187	187	—	187	187
Ottawa—Brockville	298	111	111	298	111	111
Subtotal		298			822	
Toronto—Hamilton	63	63	63	63	63	63
Hamilton—London	185	122	122	185	122	122
London—Windsor	359	174	174	359	174	174
Subtotal		359			359	
Hamilton—Niagara Falls	—	69	69	—	69	69
London—Sarnia	—	95	95	—	95	95
Toronto—Kitchener	101	101	101	101	101	101
Kitchener—Stratford	143	42	42	143	42	42
Stratford—London	195	52	52	195	52	52
Subtotal		195			195	
Quebec City—Windsor Corridor	—	—	1,538	—	—	1,815
Toronto—Washago	159	159		159	159	
Washago—Sudbury/Jct.	438	279		426	267	
Sudbury—White River	922	484		910	484	
White River—Thunder Bay	—	—		1,314	404	
Thunder Bay—Winnipeg	—	—		1,989	675	
Winnipeg—Regina	—	—		2,563	574	
Regina—Calgary	—	—		3,329	766	
Calgary—Banff	—	—		3,459	130	
Banff—Kamloops	—	—		3,956	497	
Subtotal		922			3,956	
Sudbury Jct.—Capreol*	—	22		—	—	
Capreol—Sioux Lookout	1,093	1,093		1,093	1,093	
Sioux Lookout—Winnipeg	1,498	405		1,498	405	
Winnipeg—Saskatoon	2,258	760		2,257	759	
Saskatoon—Edmonton	2,776	518		2,776	519	
Edmonton—Jasper	3,155	379		3,155	379	
Jasper—Kamloops	3,593	438		3,593	438	
Kamloops—Vancouver	4,007	414		4,006	413	
Subtotal		4,029			4,006	
The Pas—Lynn Lake	—	389		—	389	
Winnipeg—Hudson Bay	636	636		283	283	
Hudson Bay—The Pas	777	141		777	494	
The Pas—Wabowden	996	219		907	130	

The Rail Passenger Network, Summer/Fall 1990 and Summer/Fall 1989

	Summer/Fall 1990			Summer/Fall 1989		
	Cumulative distance (km)	Segment distance (km)	Corridor distance (km)	Cumulative distance (km)	Segment distance (km)	Corridor distance (km)
Wabowden—Thompson	1,149	153		1,149	242	
Thompson—Gillam	1,401	252		1,401	252	
Gillam—Churchill	1,697	296		1,697	296	
Subtotal		2,086			2,086	
Jasper—Prince George	409	409		409	409	
Prince George—Smithers	795	386		795	386	
Smithers—Prince Rupert	1,160	365		1,160	365	
Subtotal		1,160			1,160	
Victoria—Nanaimo	117	117		117	117	
Nanaimo—Courtenay	225	108		225	108	
Subtotal		225			225	
Grand total VIA services		13,878			19,054	
II. OTHER INTERCITY SERVICES						
Entry point to U.S.**						
Montreal—Cantic P.Q.		71			71	
Canadian National						
Edmonton—Ft. McMurray	—	—		—	473	
Ontario Northland Railway***						
Washago—North Bay*	208	208		208	208	
North Bay—Cochrane	617	409		617	409	
Cochrane—Moosonee	917	300		917	300	
Total		917			917	
Algoma Central Railway						
Sault Ste. Marie—Hearst	476	476		476	476	
Quebec North Shore and Labrador Railway						
Sept-Îles—Ross Bay Jct.	358	358		358	358	
Ross Bay Jct.—Labrador City	416	58		416	58	
Ross Bay Jct.—Schefferville	633	217		633	217	
Total		633			633	
Rocky Mountaineer						
Vancouver—Kamloops	418	418		418	418	
Kamloops—Jasper	861	443		861	443	
Subtotal		861			861	
Kamloops—Banff	497	497		497	497	
Banff—Calgary	628	131		628	131	
Subtotal		628			628	
Total Rocky Mountaineer		1,489			1,489	
B.C. Railway						
Prince George—Lilloet	491	491		491	491	
Lilloet—North Vancouver	742	251		742	251	
Total		742			742	
Total other intercity services		3,467			3,312	
Grand total intercity services		17,345			22,366	
III. COMMUTER RAIL SERVICES						
GO Transit						
Lakeshore (Ham—Tor—Oshawa)	115	115		112	112	
Georgetown	—	47		—	47	
Guelph	78	31		—	—	
Richmond Hill	—	34		—	34	
Milton	—	50		—	50	
Bradford	—	67		—	67	
Barrie	102	35		—	—	
Stouffville	—	47		—	46	
Total		426			356	
Montreal Urban Community Transit Commission (MUCTC)						
Montreal—Deux Montagnes	—	40		—	40	
Montreal—Rigaud	—	58		—	58	
Total		98			98	
Total commuter services		524			454	
Grand total all railways		17,869			22,820	

Source: VIA timetable and schedule information from specific carriers.

Note: The Rocky Mountaineer service has been excluded from the 1989 calculations, and the segment from Vancouver—Jasper has been excluded from the 1990 system length to avoid double-counting.

*VIA operated a bus service from Sudbury station to Capreol prior to 1990. When the former closed, the train was re-routed through Sudbury Jct. directly to Capreol.

**Amtrak operates the segment to the U.S. border over Canadian National track.

***Ontario Northland operates over CN track from Toronto—North Bay. The portion from Toronto—Washago was excluded to avoid double counting.

Number of Passengers Carried on Each of VIA Rail's Routes, 1988

Route	Passengers	% of total	% of corridor
I. Corridor services:			
Montreal-Toronto	1,375,863	21.4	30.9
Toronto-Windsor	793,055	12.3	17.8
Toronto-Sarnia	904,194	14.0	20.3
Ottawa-Toronto	457,560	7.1	10.3
Montreal-Ottawa	362,698	5.6	8.1
Montreal-Quebec	287,111	4.5	6.4
Toronto-Niagara Falls	274,490	4.3	6.2
Total	4,454,971	69.2	100.0
II. Transcontinental services:			
Montreal-Toronto-Vancouver	545,010	8.5	
Montreal-Saint John-Halifax	243,177	3.8	
Montreal-Moncton	227,089	3.5	
Winnipeg-Edmonton-Vancouver	176,418	2.7	
Total	1,191,694	18.5	
III. Regional services:			
Halifax-Sydney	102,789	1.6	
Halifax-Yarmouth	47,676	0.7	
Halifax-Moncton-Saint John	48,849	0.8	
Monc-Campbellton	33,072	0.5	
Moncton-Edmunston	10,401	0.2	
Matapedia-Gaspe	68,564	1.1	
Quebec-Mt. Joli	39,216	0.6	
Montreal-Sherbrooke	21,527	0.3	
Toronto-Havelock	59,067	0.9	
Toronto-North Bay	68,769	1.1	
Cochrane-Kapuskasing	8,886	0.1	
Victoria-Courtenay	45,706	0.7	
Total	554,522	8.6	
IV. Remote services:			
Montreal-Jonquiere	31,400	0.5	
Montreal-Senneterre	43,197	0.7	
Senneterre-Cochrane	5,043	0.1	
Sudbury-White River	10,195	0.2	
Winnipeg-Capreol	54,101	0.8	
Winnipeg-Churchill	48,847	0.8	
Wabowden-Churchill	797	0.0	
The Pas-Lynn Lake	8,871	0.1	
Edmonton-Prince Rupert	26,665	0.4	
Total	229,116	3.6	
V. Tourism service:			
Rocky Mountaineer	9,542	0.1	
Grand total	6,439,845	100.0	

Source: Transport Canada, "Information," No. 120/89, October 4, 1989.

Note: Data include paying and non-paying passengers and thus are higher than the figures from Statistics Canada which only measure paying (revenue) passengers.

Railway Accident Statistics, 1907-1989

	Fatalities				Injuries				Fatalities per 1,000 injuries			
	Passengers	Employees	Others	Total	Passengers	Employees	Others	Total	Passengers	Employees	Others	Total
1907	70	249	268	588	352	1,126	220	2,152	199	221	1,218	278
1908	28	202	197	449	345	1,111	209	2,347	81	182	943	191
1909	36	182	260	478	281	897	226	1,404	128	203	1,150	340
1910	60	214	250	524	270	926	245	1,441	222	231	1,020	364
1911	28	202	235	465	286	1,314	304	1,906	97	154	773	244
1912	47	215	283	545	485	1,606	346	2,437	97	134	818	224
1913	38	298	374	710	650	1,834	482	2,968	58	162	776	239
1914	25	200	340	565	402	1,475	410	2,287	62	136	829	247
1915	17	108	241	366	304	1,578	328	2,210	56	68	735	166
1916	20	149	268	437	291	1,468	299	2,058	69	101	898	212
1917	24	177	218	419	410	1,909	363	2,682	59	93	601	156
1918	32	154	197	383	322	1,866	359	2,549	99	82	549	150
1919	33	162	204	399	372	1,904	438	2,712	89	85	468	147
1920	28	145	187	360	456	2,513	433	3,402	61	58	432	106
1921	5	127	181	323	227	2,024	341	2,592	22	63	560	125
1922	11	107	205	323	338	2,440	480	3,258	33	44	427	99
1923	15	144	162	321	406	2,783	476	3,645	37	52	340	88
1924	19	105	210	334	401	2,350	448	3,197	47	45	471	104
1925	5	82	198	285	374	2,158	583	3,095	13	38	352	92
1926	20	102	302	424	375	2,141	552	3,068	53	48	547	138
1927	14	106	248	368	438	1,915	589	2,942	32	55	421	125
1928	15	114	350	479	328	2,214	717	3,257	46	51	488	147
1929	20	104	288	412	406	2,028	710	3,144	49	51	406	131
1930	15	81	329	425	488	1,477	727	2,692	31	55	453	158
1931	3	42	201	246	369	1,131	743	2,243	8	37	271	110
1932	7	57	240	304	339	957	559	1,855	21	60	429	164
1933	8	41	211	260	306	985	560	1,851	26	42	377	140
1934	16	43	236	295	417	1,119	570	2,108	38	38	414	140
1935	10	43	269	322	432	1,026	605	2,063	23	42	445	156
1936	6	83	273	362	657	1,293	622	2,572	9	64	439	141
1937	5	59	263	327	378	1,082	659	2,119	13	55	399	154
1938	4	45	235	284	314	898	529	1,741	13	50	444	163
1939	1	43	239	283	322	879	541	1,742	3	49	442	162
1940	5	49	221	275	277	1,278	515	2,070	18	38	429	133
1941	10	88	278	376	485	1,556	715	2,756	21	57	389	136
1942	43	103	265	411	639	2,163	628	3,430	67	48	422	120
1943	9	112	197	318	417	2,942	586	3,945	22	38	336	81
1944	8	81	231	320	416	2,637	495	3,548	19	31	467	90
1945	10	71	231	312	360	2,665	585	3,610	28	27	395	86
1946	2	90	212	304	349	2,844	587	3,780	6	32	361	80
1947	34	77	258	369	355	2,963	666	3,984	96	26	387	93
1948	15	76	261	352	284	2,906	651	3,841	53	26	401	92
1949	1	52	249	302	268	2,418	639	3,325	4	22	390	91
1950	18	54	227	299	262	2,244	592	3,098	69	24	383	97
1951	4	69	289	362	191	2,341	595	3,127	21	29	486	116
1952	2	61	312	375	125	2,430	601	3,156	16	25	519	119
1953	3	30	257	290	133	2,017	631	2,781	23	15	407	104
1954	4	37	240	281	215	1,646	498	2,359	19	22	482	119
1955	1	39	252	292	188	1,582	492	2,262	5	25	512	129
1956	7	55	297	359	84	1,637	590	2,311	83	34	503	155
1957	2	27	281	310	143	1,343	527	2,013	14	20	533	154
1958	1	33	270	304	83	1,016	363	1,462	12	32	744	208
1959	9	30	264	303	151	1,092	575	1,818	60	27	459	167
1960	2	24	236	262	151	895	540	1,586	13	27	437	165
1961	1	22	205	228	73	881	497	1,451	14	25	412	157
1962	0	19	234	253	106	877	482	1,465	0	22	485	173
1963	2	23	201	226	157	853	577	1,587	13	27	348	142
1964	8	23	220	251	138	1,085	553	1,776	58	21	398	141
1965	2	20	207	229	273	1,185	624	2,082	7	17	332	110
1966	4	20	281	305	216	1,307	591	2,114	19	15	475	144
1967	0	23	248	271	209	1,265	534	2,008	0	18	464	135
1968	6	25	184	215	235	1,168	507	1,910	26	21	363	113
1969	4	21	170	195	185	1,182	505	1,852	24	18	337	105
1970	1	17	162	180	157	1,223	455	1,835	8	14	356	98
1971	2	24	185	211	114	1,225	546	1,885	18	20	339	112
1972	5	17	204	226	194	1,367	541	2,122	26	12	377	107
1973	1	17	178	196	169	1,245	489	1,903	6	14	364	103
1974	1	22	165	188	244	1,393	408	2,045	4	16	404	92
1975	2	20	154	176	240	1,281	405	1,926	8	16	380	91
1976	1	12	121	134	353	1,312	204	1,869	3	9	593	72
1977	0	13	125	138	159	1,216	207	1,582	0	11	604	87
1978	0	9	129	138	110	992	207	1,309	0	9	623	105
1979	0	11	118	129	157	943	215	1,315	0	12	549	98
1980	0	10	116	126	56	947	240	1,243	0	11	483	101
1981	0	18	114	132	28	808	192	1,028	0	22	594	128
1982	1	17	128	146	867	2,949	337	3,953	1	6	380	37
1983	4	16	106	126	534	2,858	318	3,510	7	6	333	36
1984	0	11	113	124	429	2,720	324	3,473	0	4	349	36
1985	1	11	117	129	554	2,672	320	3,546	2	4	366	36
1986	16	19	83	118	571	2,703	274	3,548	28	7	303	33
1987	4	7	97	108	415	2,550	311	3,276	10	3	312	33
1988	0	8	105	111	451	2,274	290	3,015	0	3	362	37
1989	0	10	132	142	438	2,285	273	2,978	0	4	484	48

Sources: 1907-1975: Statistics Canada, *Historical Statistics of Canada*, 2nd ed., ed. F.H. Leacy (Ottawa: Supply and Services, 1983), series T251-T258; 1976-1981: Statistics Canada, *Railway Transport: Part I, Comparative Summary Statistics*, Catalogue no. 52-207, Table 23; 1982-1989: Unpublished statistics from the Transportation Safety Board.

Note: A break in the injury statistics occurred after 1981 when TSB began collecting accident statistics.

Financial and Operating Statistics of Intercity Passenger Bus Carriers, 1941-1989

	Operating revenues (\$'000s)	Operating expenses (\$'000s)	Operating profit (\$'000s)	Intercity passen- gers ('000s)	Intercity vehicle- km ('000s)	Intercity pass- km (mill.)	Em- ploy- ment (no.)	Total wages (\$'000s)	Average annual wage (\$)	Wage share of operating expenses (%)	Fuel costs (\$'000s)	Fuel share of operating expenses (%)	Bus estab. (no.)
1941	14,101	9,905	4,196	34,452	69,622	863	2,614	3,756	1,437	38%	2,451	25%	85
1942	18,631	-	-	57,369	82,373	1,013	3,078	4,595	1,493	-	-	-	116
1943	18,832	15,860	2,952	67,892	79,169	971	3,399	5,175	1,522	33%	2,401	15%	136
1944	21,849	18,251	3,598	73,535	84,329	1,050	3,669	5,869	1,600	32%	2,817	14%	149
1945	26,618	22,492	4,126	75,632	98,809	1,275	4,438	7,031	1,584	31%	3,153	14%	162
1946	37,369	32,927	4,442	88,145	136,882	1,842	6,017	10,905	1,812	33%	4,318	13%	175
1947	40,066	37,595	2,471	97,342	146,867	2,084	6,274	12,370	1,972	33%	4,880	13%	157
1948	44,002	41,953	2,049	121,896	173,304	2,525	6,428	14,470	2,251	34%	6,151	15%	148
1949	49,194	48,847	2,348	129,720	181,640	2,633	6,573	16,156	2,458	34%	6,821	15%	155
1950	50,093	47,450	2,643	121,684	168,152	2,474	6,472	16,618	2,567	35%	7,058	15%	152
1951	52,614	50,623	1,991	119,974	167,635	2,491	6,743	18,349	2,721	36%	7,623	15%	165
1952	53,139	50,290	2,849	94,025	165,702	2,510	6,596	19,723	2,990	39%	6,960	14%	158
1953	52,236	50,006	2,230	80,030	166,459	2,549	6,253	20,380	3,259	41%	6,438	13%	132
1954	46,836	45,598	1,238	69,458	150,397	2,343	6,198	19,546	3,154	43%	3,828	8%	124
1955	46,770	44,132	2,638	71,302	146,024	2,357	5,802	19,091	3,290	43%	3,502	8%	114
1956	47,095	43,343	3,751	64,289	142,675	2,333	5,415	19,029	3,514	44%	3,211	7%	91
1957	46,751	42,990	3,762	53,636	132,330	2,153	5,270	19,263	3,655	45%	3,193	7%	89
1958	46,117	42,357	3,761	50,481	130,232	2,232	5,085	20,169	3,968	48%	2,928	7%	92
1959	48,465	44,355	4,110	52,836	135,501	2,343	5,004	21,193	4,235	48%	2,725	6%	102
1960	50,397	46,043	4,354	54,470	137,885	2,407	5,051	21,917	4,339	48%	2,800	6%	104
1961	52,493	48,506	3,986	53,161	139,167	2,446	5,000	22,761	4,552	47%	2,614	5%	106
1962	56,428	51,317	5,111	49,866	142,648	2,589	4,626	22,090	4,775	43%	2,698	5%	104
1963	60,574	55,185	5,389	47,845	147,008	2,668	4,689	23,637	5,041	43%	2,948	5%	108
1964	62,508	57,229	5,280	45,682	148,007	2,721	4,618	23,998	5,175	42%	2,913	5%	108
1965	68,093	61,112	6,981	44,941	142,435	2,687	4,682	25,689	5,487	42%	2,795	5%	105
1966	79,870	69,685	10,184	49,136	170,278	3,246	5,159	30,393	5,891	44%	3,300	5%	106
1967	95,495	81,915	13,580	51,325	194,327	3,780	5,618	36,035	6,414	44%	3,723	5%	110
1968	92,226	83,200	9,026	47,390	177,697	3,436	5,652	36,448	6,449	44%	3,477	4%	105
1969	99,261	86,328	12,933	42,109	178,517	3,474	5,790	40,121	6,929	45%	3,616	4%	108
1970	105,657	93,731	11,926	46,059	173,289	3,401	5,584	41,965	7,515	45%	3,562	4%	104
1971	112,518	99,945	12,573	42,188	172,987	3,407	5,386	44,697	8,299	45%	4,513	5%	76
1972	119,824	106,572	13,253	38,643	172,686	3,413	5,195	47,807	9,164	45%	5,719	5%	55
1973	127,605	113,637	13,968	35,396	172,385	3,419	5,011	50,706	10,120	45%	7,247	6%	40
1974	135,892	121,171	14,720	32,421	172,085	3,426	4,833	54,007	11,582	46%	9,183	8%	29
1975	162,866	148,972	13,895	34,009	176,324	3,523	5,094	65,690	13,263	45%	11,183	8%	29
1976	186,568	170,181	16,387	32,269	181,441	3,838	5,393	76,342	14,459	45%	12,260	7%	25
1977	217,299	198,768	18,531	34,428	197,953	3,983	5,847	89,311	15,954	46%	10,155	5%	35
1978	227,676	210,272	17,404	31,872	189,740	3,831	5,466	97,171	18,306	47%	11,018	5%	34
1979	232,154	222,974	9,180	36,047	188,381	3,817	5,754	117,961	20,937	54%	12,140	5%	35
1980	269,553	254,135	15,418	32,457	201,521	4,098	5,758	133,458	23,781	53%	15,729	6%	34
1981	276,505	274,291	2,214	28,720	183,421	3,744	5,449	140,322	26,121	52%	19,478	7%	31
1982	327,342	314,510	12,832	29,732	195,987	4,014	5,689	162,984	29,188	53%	22,574	7%	32
1983	342,947	327,289	15,658	28,788	192,270	3,952	5,470	176,555	32,659	54%	22,940	7%	33
1984	322,356	311,696	10,660	24,621	180,291	3,719	4,997	169,765	34,996	56%	29,787	10%	38
1985	329,769	313,450	16,319	23,355	170,942	3,539	4,837	168,228	35,679	55%	*31,982	10%	48
1986	335,860	316,077	19,783	21,822	172,197	3,578	4,857	162,968	34,079	52%	29,025	9%	34
1987	348,873	320,796	28,077	22,572	170,814	3,562	4,829	158,216	33,663	51%	27,886	9%	35
1988	332,855	320,036	12,819	16,189	156,789	3,281	4,471	154,146	34,477	48%	26,868	8%	22
1989	361,960	316,368	45,593	17,153	155,669	3,269	4,212	150,348	35,695	48%	28,223	9%	23

Average annual growth rates (%)

	Operating revenues	Operating expenses	Operating profit	Intercity passen- gers	Intercity vehicle- km	Intercity pass- km	Em- ploy- ment	Total wages	Average annual wage	Wage share of operating expenses	Fuel costs	Fuel share of operating expenses	Bus estab.
1941-1951	14.1	17.7	-7.2	13.3	9.2	11.2	9.9	17.2	6.6	-0.5	12.0	-4.8	6.9
1951-1961	-0.0	-0.4	7.2	-7.8	-1.8	-0.2	-2.9	2.2	5.3	2.6	-10.2	-9.8	-4.3
1961-1970	8.1	7.6	12.9	-1.6	2.5	3.7	1.2	7.0	5.7	-0.5	3.5	-3.8	-0.2
1970-1981	9.1	10.3	-14.2	-4.2	0.5	0.9	-0.2	11.6	12.0	1.3	16.7	5.8	-10.4
1981-1989	3.4	1.8	46.0	-6.2	-2.0	-1.7	-3.2	0.9	4.0	-1.0	4.7	2.9	-3.7
1941-1975	7.5	6.3	3.6	-0.0	2.8	4.2	2.0	8.8	6.8	0.5	4.6	-3.4	-3.1
1975-1989	5.9	5.5	8.9	-4.8	-0.9	-0.5	-1.3	6.1	7.3	0.4	6.8	1.2	-1.6
1941-1989	7.0	7.5	5.1	-1.4	1.7	2.8	1.0	8.0	6.9	0.5	5.2	-2.1	-2.7
1970-1974	6.5	6.6	5.4	-8.4	-0.2	0.2	-3.5	6.5	11.4	0.4	26.7	18.5	-27.3

Sources:

1941-1955: Dominion Bureau of Statistics, *Motor Carriers - Freight - Passenger*, Catalogue no. 53-D-20.1956-1970: Statistics Canada, *Passenger Bus Statistics*, Catalogue no. 53-215.1974-1989: Statistics Canada, *Passenger Bus and Urban Transit Statistics*, Catalogue no. 53-215.

Notes: 1) Carriers earning over \$20,000 in revenues were included from 1941-1970; from 1974 on, carriers earning over \$100,000 in revenues were included, subject to later revisions; 2) The passenger bus survey underwent major revisions in 1974 rendering comparisons with future periods difficult. The three year gap between surveys was imputed using an interpolation based on the average annual growth rate between 1970 and 1974; 3) In 1988 only bus companies earning over \$250,000 in operating revenues were included. This change explains why the number of establishments fell considerably between 1987 and 1988. Furthermore, the survey was revised in 1989 to exclude all carriers earning less than \$500,000 in 1988; 4) From 1975-1987, average annual wage rates apply only to the employees of Class 1 and 2 carriers (i.e. all carriers earning over \$500,000 in operating revenues). Separate wage data for Class 3 carriers were unavailable. Similarly, the wage share of operating expenses is the share consistent with the Class 1 and 2 carriers' operating revenues; 5) A constant load factor of 50% of bus capacity has been selected for the passenger-km estimate.

Operating Revenues of the Intercity Passenger Bus Industry, By Activity, 1975-1989

(\$'000s)

	Intercity services	Urban/suburban services	Charter services	School/commercial contract service	Other revenues including subsidies	Total revenues	Shares of total revenues				
							Intercity services	Urban/suburban services	Charter services	School/commercial contract service	Other revenues including subsidies
Class 1-2											
1975	109,737	312	15,184	1,610	33,487	160,331	68.4%	0.2%	9.5%	1.0%	20.9%
1976	123,471	1,078	17,304	1,154	41,217	184,224	67.0%	0.6%	9.4%	0.6%	22.4%
1977	140,867	997	22,012	1,382	47,589	212,848	66.2%	0.5%	10.4%	0.6%	22.4%
1978	146,443	1,187	21,948	1,245	53,812	224,632	65.2%	0.5%	9.8%	0.6%	24.0%
1979	148,763	1,211	23,337	1,235	54,656	229,202	64.9%	0.5%	10.2%	0.5%	23.8%
1980	170,485	238	26,721	1,177	66,985	265,607	64.2%	0.1%	10.1%	0.4%	25.2%
1981	173,480	179	26,941	1,125	71,898	273,623	63.4%	0.1%	9.8%	0.4%	26.3%
1982	214,497	116	30,533	1,021	77,345	323,513	66.3%	0.0%	9.4%	0.3%	23.9%
1983	226,666	24	32,621	956	79,974	340,241	66.6%	0.0%	9.6%	0.3%	23.5%
1984	209,881	21	34,513	1,634	69,329	315,378	66.5%	0.0%	10.9%	0.5%	22.0%
1985	213,903	65	34,852	1,467	73,309	323,596	66.1%	0.0%	10.8%	0.5%	22.7%
1986	216,153	66	37,737	1,529	77,428	332,914	64.9%	0.0%	11.3%	0.5%	23.3%
1987	214,071	14	37,355	919	84,749	337,109	63.5%	0.0%	11.1%	0.3%	25.1%
1988	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1989	228,045	459	38,798	750	93,908	361,960	63.0%	0.1%	10.7%	0.2%	25.9%
Class 3											
1975	1,587	-	591	166	191	2,535	62.6%	-	23.3%	6.5%	7.5%
1976	1,312	-	620	199	214	2,345	55.9%	-	26.5%	8.5%	9.1%
1977	2,709	436	734	354	418	4,652	58.2%	9.4%	15.8%	7.6%	9.0%
1978	2,175	-	304	356	208	3,044	71.4%	-	10.0%	11.7%	6.8%
1979	1,888	-	678	37	349	2,952	64.0%	-	23.0%	1.2%	11.8%
1980	2,233	111	1,026	-	576	3,946	56.6%	2.8%	26.0%	-	14.6%
1981	1,758	93	503	-	528	2,882	61.0%	3.2%	17.5%	-	18.3%
1982	1,926	437	423	213	831	3,829	50.3%	11.4%	11.0%	5.6%	21.7%
1983	1,979	28	317	36	346	2,706	73.1%	1.0%	11.7%	1.3%	12.8%
1984	4,777	51	893	659	599	6,978	68.5%	0.7%	12.8%	9.4%	8.6%
1985	4,551	-	810	268	545	6,174	73.7%	-	13.1%	4.3%	8.8%
1986	2,244	-	125	364	214	2,946	76.2%	-	4.2%	12.3%	7.3%
1987	6,091	-	660	600	2,414	9,764	62.4%	-	6.8%	6.1%	24.7%
1988	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1989	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total industry											
1975	111,324	312	15,776	1,776	33,678	162,866	68.4%	0.2%	9.7%	1.1%	20.7%
1976	124,782	1,078	17,924	1,353	41,431	186,568	66.9%	0.6%	9.6%	0.7%	22.2%
1977	143,376	1,433	22,747	1,736	48,007	217,299	66.0%	0.7%	10.5%	0.8%	22.1%
1978	148,618	1,187	22,250	1,601	54,021	227,676	65.3%	0.5%	9.8%	0.7%	23.7%
1979	150,651	1,211	24,015	1,272	55,005	232,154	64.9%	0.5%	10.3%	0.5%	23.7%
1980	172,718	349	27,748	1,177	67,561	269,553	64.1%	0.1%	10.3%	0.4%	25.1%
1981	175,237	273	27,444	1,125	72,426	276,505	63.4%	0.1%	9.9%	0.4%	26.2%
1982	216,423	554	30,956	1,233	78,176	327,342	66.1%	0.2%	9.5%	0.4%	23.9%
1983	228,645	52	32,938	992	80,319	342,947	66.7%	0.0%	9.6%	0.3%	23.4%
1984	214,657	72	35,406	2,293	69,928	322,356	66.6%	0.0%	11.0%	0.7%	21.7%
1985	218,453	65	35,662	1,735	73,854	329,769	66.2%	0.0%	10.8%	0.5%	22.4%
1986	218,397	66	37,862	1,893	77,642	335,860	65.0%	0.0%	11.3%	0.6%	23.1%
1987	220,162	14	38,015	1,519	87,163	346,873	63.5%	0.0%	11.0%	0.4%	25.1%
1988	208,460	438	39,713	332	83,913	332,855	62.6%	0.1%	11.9%	0.1%	25.2%
1989	228,045	459	38,798	750	93,908	361,960	63.0%	0.1%	10.7%	0.2%	25.9%

Source: Statistics Canada, *Passenger Bus and Urban Transit Statistics*, Catalogue no. 53-215, issue years 1975-1989.

Class definitions (as of 1987):

Class 1: Establishments which earned gross annual operating revenues of \$2 million or more in the year preceding the survey year.

Class 2: Establishments which earned gross annual operating revenues from \$500,000 to \$1,999,999 in the year preceding the survey year.

Class 3: Establishments which earned gross annual operating revenues from \$100,000 to \$499,999 in the year preceding the survey year.

Notes: 1) In 1988 Class 3 was changed to include only those establishments which earned from \$250,000 to \$499,999 in the year preceding the survey year; 2) In 1989, the survey universe was further revised to exclude all establishments earning less than \$500,000 in 1988; 3) Class 1 and 2 data are not provided separately because only one Class 3 carrier qualified over the new revenue threshold; by showing Class 1 and 2 statistics one would implicitly reveal the revenue position of the lone Class 3 carrier, a violation of the confidentiality rules.

Operating Revenues of Urban Transit Systems, By Activity, 1975-1989

(\$'000s)

	Intercity services	Urban/suburban services	Charter services	School/commercial contract service	Other revenues including subsidies	Total revenues	Shares of total revenues				
							Intercity services	Urban/suburban services	Charter services	School/commercial contract service	Other revenues including subsidies
Class 1-2											
1975	285	290,429	6,936	5,709	202,904	506,264	0.1%	57.4%	1.4%	1.1%	40.1%
1976	857	368,177	8,000	10,432	265,713	653,179	0.1%	56.4%	1.2%	1.8%	40.7%
1977	1,398	384,441	7,394	13,228	330,007	736,467	0.2%	52.2%	1.0%	1.8%	44.8%
1978	1,450	423,474	7,256	13,704	399,311	845,196	0.2%	50.1%	0.9%	1.6%	47.2%
1979	1,740	457,451	6,863	15,906	433,808	915,768	0.2%	50.0%	0.7%	1.7%	47.4%
1980	2,046	512,668	8,205	16,834	520,815	1,060,589	0.2%	48.3%	0.8%	1.6%	49.1%
1981	2,694	608,322	8,611	17,815	661,197	1,298,638	0.2%	46.8%	0.7%	1.4%	50.9%
1982	2,570	684,731	8,797	17,453	751,776	1,465,327	0.2%	46.7%	0.8%	1.2%	51.3%
1983	3,560	751,254	7,497	6,299	825,138	1,593,747	0.2%	47.1%	0.5%	0.4%	51.8%
1984	3,287	789,481	8,642	7,706	878,274	1,687,390	0.2%	46.8%	0.5%	0.5%	52.0%
1985	1,159	880,183	7,119	10,932	1,029,407	1,908,801	0.1%	45.1%	0.4%	0.6%	53.9%
1986	1,191	969,674	7,314	17,833	1,263,598	2,279,609	0.1%	42.5%	0.3%	0.8%	56.3%
1987	2,029	978,327	7,375	10,237	1,442,417	2,440,385	0.1%	40.1%	0.3%	0.4%	59.1%
1988	2,041	1,050,899	9,235	8,534	1,509,095	2,579,803	0.1%	40.7%	0.4%	0.3%	58.5%
1989	664	1,147,927	5,222	4,790	1,828,237	2,986,839	0.0%	38.4%	0.2%	0.2%	61.2%

Class 3

1975	166	5,982	540	134	6,073	12,916	1.4%	46.3%	4.2%	1.0%	47.0%
1976	75	6,342	267	97	7,027	13,807	0.5%	45.9%	1.9%	0.7%	50.9%
1977	-	1,711	198	23	2,126	4,056	-	42.2%	4.8%	0.6%	52.4%
1978	235	1,328	-	-	1,207	2,770	8.5%	47.9%	-	-	43.6%
1979	-	1,108	189	211	1,310	2,818	-	39.3%	6.7%	7.5%	46.5%
1980	-	1,131	223	239	1,677	3,270	-	34.6%	6.8%	7.3%	51.3%
1981	-	1,056	197	298	1,900	3,451	-	30.6%	5.7%	8.6%	55.1%
1982	120	1,742	376	944	1,461	4,644	2.6%	37.5%	8.1%	20.3%	31.5%
1983	150	2,620	541	312	3,042	6,665	2.2%	39.3%	8.1%	4.7%	45.6%
1984	189	1,639	320	353	1,009	3,509	5.4%	46.7%	9.1%	10.1%	26.8%
1985	13	1,724	104	12	1,049	2,902	0.4%	59.4%	3.6%	0.4%	36.1%
1986	7	1,532	238	376	1,170	3,323	0.2%	46.1%	7.2%	11.3%	35.2%
1987	-	1,571	147	63	1,508	3,289	-	47.8%	4.5%	1.9%	45.8%
1988	-	1,332	127	112	421	1,992	-	66.9%	6.4%	5.6%	21.2%
1989	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Total industry

1975	472	298,412	7,476	5,844	208,977	519,180	0.1%	57.1%	1.4%	1.1%	40.3%
1976	932	374,519	8,267	10,529	272,740	666,986	0.1%	56.2%	1.2%	1.6%	40.9%
1977	1,398	388,152	7,590	13,251	332,132	740,523	0.2%	52.1%	1.0%	1.8%	44.9%
1978	1,685	424,802	7,256	13,704	400,518	847,965	0.2%	50.1%	0.9%	1.6%	47.2%
1979	1,740	458,559	7,051	16,117	435,119	918,586	0.2%	49.9%	0.8%	1.8%	47.4%
1980	2,046	513,799	8,428	17,073	522,492	1,063,839	0.2%	48.3%	0.8%	1.6%	49.1%
1981	2,694	609,378	8,808	18,113	663,097	1,302,089	0.2%	46.8%	0.7%	1.4%	50.9%
1982	2,690	686,473	9,174	18,397	753,237	1,469,971	0.2%	46.7%	0.6%	1.3%	51.2%
1983	3,710	753,875	8,038	6,610	828,179	1,600,412	0.2%	47.1%	0.5%	0.4%	51.7%
1984	3,476	791,120	8,961	8,059	879,283	1,690,899	0.2%	46.8%	0.5%	0.5%	52.0%
1985	1,172	861,907	7,224	10,944	1,030,466	1,911,703	0.1%	45.1%	0.4%	0.6%	53.9%
1986	1,198	971,206	7,552	18,208	1,284,768	2,282,932	0.1%	42.5%	0.3%	0.8%	56.3%
1987	2,029	979,898	7,522	10,300	1,443,925	2,443,674	0.1%	40.1%	0.3%	0.4%	59.1%
1988	2,041	1,052,231	9,362	8,646	1,509,516	2,581,795	0.1%	40.8%	0.4%	0.3%	58.5%
1989	664	1,147,927	5,222	4,790	1,828,237	2,986,839	0.0%	38.4%	0.2%	0.2%	61.2%

Source: Statistics Canada, *Passenger Bus and Urban Transit Statistics*, Catalogue no. 53-215.**Class definitions (as of 1987):**

Class 1: Establishments which earned gross annual operating revenues of \$2 million or more in the year preceding the survey year.

Class 2: Establishments which earned gross annual operating revenues from \$500,000 to \$1,999,999 in the year preceding the survey year.

Class 3: Establishments which earned gross annual operating revenues from \$100,000 to \$499,999 in the year preceding the survey year.

Notes: 1) In 1986 Class 3 was changed to include only those establishments which earned from \$250,000 to \$499,999 in the year preceding the survey year; 2) In 1989, the survey universe was further revised to exclude all establishments earning less than \$500,000 in 1988;

3) Revenues from intercity charters (a new entry since 1985 in the urban transit statistics) are treated as "intercity" here;

4) Taxi revenues and the entry for "other" are included in other revenues.

Operating Revenues of Other Bus Establishments and The Motor Carrier Passenger Industry, 1978-1989

(\$'000s)

	Intercity services	Urban/ suburban services	Charter services	School/ commercial contract service	Other revenues including subsidies	Total revenues	Shares of total revenues				
							Intercity services	Urban/ suburban services	Charter services	School/ commercial contract service	Other revenues including subsidies
School bus establishments											
1975	-	-	-	-	-	-	-	-	-	-	-
1976	-	-	-	-	-	-	-	-	-	-	-
1977	-	-	-	-	-	-	-	-	-	-	-
1978	6,631	7,158	24,563	214,148	1,381	253,878	2.6%	2.8%	9.7%	84.3%	0.5%
1979	6,492	4,681	25,119	237,692	813	274,797	2.4%	1.7%	9.1%	86.5%	0.3%
1980	6,563	5,990	30,163	290,064	1,777	334,558	2.0%	1.8%	9.0%	86.7%	0.5%
1981	6,625	6,759	31,092	329,936	4,767	379,180	1.7%	1.8%	8.2%	87.0%	1.3%
1982	7,900	8,204	34,524	389,575	5,576	445,779	1.8%	1.8%	7.7%	87.4%	1.3%
1983	8,418	6,850	39,045	418,289	6,990	477,592	1.8%	1.4%	8.2%	87.2%	1.5%
1984	8,775	7,752	43,759	447,726	8,066	516,078	1.7%	1.5%	8.5%	86.8%	1.6%
1985	10,993	9,338	44,927	521,790	10,013	597,062	1.8%	1.6%	7.5%	87.4%	1.7%
1986	7,604	6,535	37,910	574,384	13,094	639,527	1.2%	1.0%	5.9%	89.8%	2.0%
1987	6,396	12,427	55,740	631,576	4,670	710,122	0.9%	1.7%	7.8%	88.9%	0.7%
1988	4,803	16,222	59,328	614,220	5,547	700,122	0.7%	2.3%	8.5%	87.7%	0.8%
1989	5,386	22,214	68,787	638,907	8,724	744,017	0.7%	3.0%	9.2%	85.9%	1.2%
Other passenger bus establishments (e.g. charter, sightseeing)											
1975	-	-	-	-	-	-	-	-	-	-	-
1976	-	-	-	-	-	-	-	-	-	-	-
1977	-	-	-	-	-	-	-	-	-	-	-
1978	2,991	955	40,617	22,990	3,665	71,219	4.2%	1.3%	57.0%	32.3%	5.1%
1979	2,771	754	41,929	26,321	414	74,188	3.7%	1.0%	56.5%	38.2%	0.6%
1980	4,985	1,957	47,532	42,143	778	97,395	5.1%	2.0%	48.8%	43.3%	0.8%
1981	6,842	2,248	63,220	49,482	1,120	122,911	5.6%	1.8%	51.4%	40.3%	0.9%
1982	7,855	2,833	65,365	66,342	1,726	144,122	5.5%	2.0%	45.4%	46.0%	1.2%
1983	7,803	3,106	70,293	64,883	1,951	148,035	5.3%	2.1%	47.5%	43.8%	1.3%
1984	6,400	2,860	72,711	67,139	3,371	152,480	4.2%	1.9%	47.7%	44.0%	2.2%
1985	8,499	1,587	73,775	67,372	4,384	155,617	5.5%	1.0%	47.4%	43.3%	2.8%
1986	9,613	3,297	89,917	45,692	5,855	154,374	6.2%	2.1%	58.2%	29.6%	3.8%
1987	9,773	2,643	103,063	48,912	5,561	169,952	5.8%	1.6%	60.6%	28.8%	3.3%
1988	9,675	1,416	104,332	47,255	5,365	168,042	5.8%	0.8%	62.1%	28.1%	3.2%
1989	9,354	1,197	113,143	42,744	5,180	171,618	5.5%	0.7%	65.9%	24.9%	3.0%
The motor carrier passenger industry*											
1975	-	-	-	-	-	-	-	-	-	-	-
1976	-	-	-	-	-	-	-	-	-	-	-
1977	-	-	-	-	-	-	-	-	-	-	-
1978	159,925	434,102	94,686	252,442	459,584	1,400,739	11.4%	31.0%	6.8%	18.0%	32.8%
1979	161,653	465,204	98,114	283,402	491,351	1,499,725	10.8%	31.0%	6.5%	18.9%	32.8%
1980	186,312	522,096	113,871	350,457	592,608	1,765,345	10.6%	29.6%	6.5%	19.9%	33.6%
1981	191,398	618,657	130,564	398,657	741,410	2,080,886	9.2%	29.7%	6.3%	19.2%	35.6%
1982	234,868	698,064	140,019	475,548	838,715	2,387,214	9.8%	29.2%	5.9%	19.9%	35.1%
1983	248,576	763,883	150,314	488,775	917,439	2,568,986	9.7%	29.7%	5.9%	19.0%	35.7%
1984	233,307	801,803	160,838	525,216	960,648	2,681,813	8.7%	29.9%	6.0%	19.6%	35.8%
1985	239,117	872,898	161,588	601,841	1,118,707	2,994,151	8.0%	29.2%	5.4%	20.1%	37.4%
1986	236,813	981,104	173,240	640,177	1,381,359	3,412,693	6.9%	28.7%	5.1%	18.8%	40.5%
1987	238,361	994,983	204,340	692,307	1,541,320	3,671,309	6.5%	27.1%	5.6%	18.9%	42.0%
1988	224,979	1,070,307	212,735	670,452	1,604,342	3,782,814	5.9%	28.3%	5.6%	17.7%	42.4%
1989	243,448	1,171,798	225,949	687,190	1,936,049	4,264,434	5.7%	27.5%	5.3%	16.1%	45.4%

Source: Statistics Canada, *Passenger Bus and Urban Transit Statistics*, Catalogue no. 53-215.

*This section is the sum of the intercity passenger bus industry (Table C-3.2) urban transit systems (Table C-3.3) and the two preceding panels on this page.

Class Definitions (as of 1987):

Class 1: Establishments which earned gross annual operating revenues of \$2 million or more in the year preceding the survey year.

Class 2: Establishments which earned gross annual operating revenues from \$500,000 to \$1,999,999 in the year preceding the survey year.

Class 3: Establishments which earned gross annual operating revenues from \$100,000 to \$499,999 in the year preceding the survey year.

Notes: 1) In 1986 Class 3 was changed to include only those establishments which earned from \$250,000 to \$499,999 in the year preceding the survey year; 2) In 1989, the survey universe was further revised to exclude all establishments earning less than \$500,000 in 1988; 3) Taxi revenues are included in other revenues.

C-3.5

Passengers Carried and Vehicle – and Passenger – Kilometres Travelled by the Intercity Bus Industry, 1975 – 1989

			Load factor assumptions			Load factor assumptions			
			30%	40%	50%	30%	40%	50%	
Bus estab. (no.)	Intercity passengers (number)	Intercity vehicle – kilometres (number)	Intercity passenger – kilometres (millions)	Intercity passenger – kilometres (millions)	Intercity passenger – kilometres (millions)	Average journey length (km)	Average journey length (km)	Average journey length (km)	
Class 1 and 2									
1975	19	32,566,563	172,268,232	2,065	2,753	3,442	63	85	106
1976	18	31,051,158	176,555,417	2,124	2,832	3,540	68	91	114
1977	20	33,357,398	192,913,340	2,329	3,105	3,882	70	93	116
1978	22	31,319,278	186,267,469	2,257	3,009	3,781	72	96	120
1979	21	35,433,464	184,817,925	2,247	2,996	3,745	63	85	106
1980	19	32,089,008	198,178,039	2,418	3,224	4,030	75	100	126
1981	19	28,434,488	181,472,231	2,222	2,963	3,704	78	104	130
1982	20	29,110,706	193,793,826	2,382	3,176	3,969	82	109	136
1983	20	28,710,911	190,776,119	2,353	3,137	3,922	82	109	137
1984	20	24,493,188	176,709,721	2,187	2,916	3,645	89	119	149
1985	22	23,290,058	167,483,924	2,080	2,774	3,467	89	119	149
1986	20	21,800,219	170,564,499	2,126	2,835	3,544	98	130	163
1987	19	21,612,088	168,527,288	2,108	2,811	3,514	98	130	163
1988	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1989	23	17,152,988	155,668,771	1,961	2,615	3,269	114	152	191
Class 3									
1975	10	1,442,613	4,055,491	49	65	81	34	45	56
1976	7	1,217,497	4,885,582	59	78	98	48	64	80
1977	15	1,070,745	5,040,047	61	81	101	57	76	95
1978	12	553,217	3,472,124	42	56	70	76	101	127
1979	14	613,724	3,563,013	43	58	72	71	94	118
1980	15	367,579	3,342,511	41	54	68	111	148	185
1981	12	285,461	1,949,103	24	32	40	84	111	139
1982	12	621,328	2,192,855	27	36	45	43	58	72
1983	13	76,592	1,493,535	18	25	31	–	–	–
1984	18	127,983	3,580,801	44	59	74	–	–	–
1985	26	65,104	3,457,637	43	57	72	–	–	–
1986	14	22,028	1,633,000	20	27	34	–	–	–
1987	16	960,109	2,286,739	29	38	48	30	40	50
1988	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1989	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total industry									
1975	29	34,009,176	176,323,723	2,114	2,818	3,523	62	83	104
1976	25	32,268,655	181,440,999	2,183	2,910	3,638	68	90	113
1977	35	34,428,143	197,953,387	2,390	3,186	3,983	69	93	116
1978	34	31,872,495	189,739,593	2,299	3,065	3,831	72	96	120
1979	35	36,047,188	188,380,938	2,290	3,054	3,817	64	85	106
1980	34	32,456,587	201,520,550	2,459	3,279	4,098	76	101	126
1981	31	28,719,949	183,421,334	2,246	2,995	3,744	78	104	130
1982	32	29,732,034	195,986,681	2,409	3,211	4,014	81	108	135
1983	33	28,787,503	192,269,654	2,371	3,162	3,952	82	110	137
1984	38	24,621,171	180,290,522	2,232	2,975	3,719	91	121	151
1985	48	23,355,162	170,941,561	2,123	2,831	3,539	91	121	152
1986	34	21,822,247	172,197,499	2,147	2,862	3,578	98	131	164
1987	35	22,572,197	170,814,027	2,137	2,849	3,562	95	126	158
1988	22	18,188,939	158,789,271	1,969	2,625	3,281	108	144	180
1989	23	17,152,988	155,668,771	1,961	2,615	3,269	114	152	191

Source: Statistics Canada, *Passenger Bus and Urban Transit Statistics*, Catalogue no. 53-215.

Load factor assumptions:

The first load factor is based on information from G.B. Reschenthaler, *Performance under Regulation: The Canadian Intercity Bus Industry* (Consumer and Corporate Affairs, 1981). The study argued that the average load factor in Canada was in the low 30% range when the study was conducted.

The second load factor is based on information from D. Ward, *Profile of the Intercity Bus Industry* (Transport Canada, May 1990), p. 5.

The third load factor is based on unpublished material from a number of "large" carriers.

The load factors are applied to an estimate of average bus capacity for each year to emerge with figures for the number of passengers per bus.

Notes: 1) In 1988 Class 3 was changed to include only those establishments which earned from \$250,000 to \$499,999 in the year preceding the survey year; 2) In 1989 the survey universe was further revised to exclude all establishments earning less than \$500,000 in 1988; 3) Class 1 and 2 data are not provided separately for 1988 because only one Class 3 carrier qualified over the new revenue threshold; by showing Class 1 and 2 statistics one would implicitly reveal the revenue position of the lone Class 3 carrier, a violation of the confidentiality rules.

Highway and Urban Street Network Length, 1925-1988

('000s of kilometres)

	Total	Paved	Gravel/ surface treated	Earth	Proportion of the total (%)			
					Paved	Gravel	Earth	
1925	—	9.8	66.6	—	—	—	—	—
1926	—	—	—	—	—	—	—	—
1927	—	—	—	—	—	—	—	—
1928	614.8	12.4	90.8	511.6	2.0	14.8	83.2	—
1929	627.6	13.8	102.4	511.4	2.2	16.3	81.5	—
1930	634.6	14.8	114.7	505.0	2.3	18.1	79.6	—
1931	608.5	10.8	129.9	467.8	1.8	21.3	76.9	—
1932	641.0	17.7	129.2	494.1	2.8	20.2	77.1	—
1933	658.4	12.9	139.5	506.0	2.0	21.2	76.9	—
1934	658.5	13.8	136.8	507.9	2.1	20.8	77.1	—
1935	661.1	16.4	138.7	506.0	2.5	21.0	76.5	—
1936	660.6	17.2	142.6	500.8	2.6	21.6	75.8	—
1937	699.8	16.1	167.5	716.2	1.8	18.6	79.6	—
1938	818.5	29.2	162.8	626.6	3.6	19.9	76.5	—
1939	821.9	33.0	165.3	623.6	4.0	20.1	75.9	—
1940	922.6	34.4	167.2	721.1	3.7	18.1	78.2	—
1941	925.0	35.6	173.9	715.5	3.8	18.8	77.4	—
1942	930.2	35.6	177.1	717.6	3.8	19.0	77.1	—
1943	911.8	36.1	180.7	694.8	4.0	19.8	76.2	—
1944	914.1	37.0	184.0	693.1	4.0	20.1	75.8	—
1945	911.3	38.0	189.6	683.8	4.2	20.8	75.0	—
1946	913.0	39.3	202.1	671.6	4.3	22.1	73.6	—
1947	916.0	41.2	210.0	664.8	4.5	22.9	72.6	—
1948	919.1	44.3	214.7	660.2	4.8	23.4	71.8	—
1949	927.6	48.0	229.7	650.0	5.2	24.8	70.1	—
1950	936.0	51.8	234.3	649.9	5.5	25.0	69.4	—
1951	847.6	54.7	245.6	547.3	6.5	29.0	64.6	—
1952	849.7	59.2	252.2	538.3	7.0	29.7	63.4	—
1953	858.9	63.4	264.6	530.9	7.4	30.8	61.8	—
1954	869.0	68.7	262.3	538.0	7.9	30.2	61.9	—
1955	772.8	72.4	285.8	414.6	9.4	37.0	53.6	—
1956	771.7	78.2	297.1	396.4	10.1	38.5	51.4	—
1957	722.3	84.5	324.3	313.5	11.7	44.9	43.4	—
1958	680.8	90.4	346.3	244.0	13.3	50.9	35.8	—
1959	741.3	104.9	382.9	253.5	14.2	51.7	34.2	—
1960	739.0	113.5	386.7	238.8	15.4	52.3	32.3	—
1961	751.7	125.5	386.9	239.3	16.7	51.5	31.8	—
1962	769.9	132.1	399.9	237.9	17.2	51.9	30.9	—
1963	779.7	137.8	416.2	225.8	17.7	53.4	29.0	—
1964	774.1	141.1	422.9	210.0	18.2	54.6	27.1	—
1965	792.9	160.5	426.3	206.2	20.2	53.8	26.0	—
1966	781.0	149.8	429.1	202.1	19.2	54.9	25.9	—
1967	797.4	155.5	444.0	197.9	19.5	55.7	24.8	—
1968	826.7	168.2	452.9	205.7	20.3	54.8	24.9	—
1969	834.0	175.7	461.7	196.5	21.1	55.4	23.6	—
1970	830.3	182.5	462.5	185.2	22.0	55.7	22.3	—
1971	834.1	190.9	460.8	182.5	22.9	55.2	21.9	—
1972	838.3	208.4	455.9	174.0	24.9	54.4	20.8	—
1973	842.3	216.9	456.1	169.3	25.7	54.2	20.1	—
1974	860.7	230.6	454.8	175.4	26.8	52.8	20.4	—
1975	872.0	240.4	459.4	172.3	27.6	52.7	19.8	—
1976	884.3	250.0	462.9	171.3	28.3	52.3	19.4	—
1977	—	—	—	—	—	—	—	—
1978	883.5	250.0	462.2	171.3	28.3	52.3	19.4	—
1979	—	—	—	—	—	—	—	—
1980	—	—	—	—	—	—	—	—
1981	—	—	—	—	—	—	—	—
1982	—	—	—	—	—	—	—	—
1983	—	—	—	—	—	—	—	—
1984	—	—	—	—	—	—	—	—
1985	841.4	241.1	535.4	64.8	28.7	63.6	7.7	—
1985*	861.6	256.3	540.4	64.8	29.8	62.7	7.5	—
1986	868.1	272.3	528.5	67.2	31.4	60.9	7.7	—
1987	874.8	277.2	528.7	68.7	31.7	60.4	7.9	—
1988	879.5	279.8	531.5	68.2	31.8	60.4	7.8	—

Average annual growth rates (%)

1928-1937	4.3	2.9	7.0	3.8	-1.3	2.6	-0.5
1938-1950	1.1	4.9	3.1	0.3	3.7	1.9	-0.8
1950-1960	-2.3	8.2	5.1	-9.5	10.7	7.7	-7.4
1960-1970	1.2	4.9	1.8	-2.5	3.7	0.6	-3.6
1970-1985	0.1	1.9	1.0	-6.8	1.8	0.9	-6.8
1938-1985	0.1	4.6	2.6	-4.7	4.5	2.5	-4.8

Sources:

- 1925-1937: M.C. Urquhart and K. Buckley, eds., *Historical Statistics of Canada*, 1st ed. (Toronto: Macmillan, 1965), p. 549.
 1938-1945: D.B.S., *Highway and the Motor Vehicle in Canada*, Catalogue no. 53-201. The catalogue was renamed *Highway Statistics* from 1945-1957.
 1946-1972: Statistics Canada, *Historical Statistics of Canada*, 2nd ed., ed. F.H. Leacy (Ottawa: Supply and Services, 1983), Series T142-T145.
 1973-1976: Statistics Canada, *Road and Street Length and Financing*, Catalogue no. 53-201, p. 10.
 1978: International Road Federation, *World Highway Statistics 1980*, August 1, 1981.
 1985-1988: Transportation Association of Canada, *Canada's Roadway Infrastructure*, issue years 1987-1990.

Notes: 1) Statistics Canada suspended its road length survey after 1976. The survey was resumed for the 1985 survey year in 1987 by TAC (formerly RTAC). After the initial year, TAC reported lengths only in two-lane equivalent kilometres. Thus, a structural break is noted in the table;
 2) Only non-urban road lengths are shown for 1925-1937.

Road and Street Length in Two-Lane Equivalent Kilometres, 1988/1989

I. "Intercity network"

	Provincial freeway	Provincial paved	Municipal paved rural	Total inter- city	Intercity as % of provincial total	Intercity as % of grand total
British Columbia	854	20,185	12,981	34,020	51.7	3.9
Alberta	2,218	12,544	7,045	21,807	12.7	2.5
Saskatchewan	48	10,186	150	10,384	5.3	1.2
Manitoba	0	7,478	516	7,994	9.4	0.9
Ontario	3,754	16,394	23,730	43,878	28.0	5.0
Quebec	4,557	36,091	0	40,648	37.4	4.6
New Brunswick	220	4,200	525	4,945	24.0	0.6
Nova Scotia	1,550	11,804	1,069	14,423	56.0	1.6
P.E.I.	0	3,394	95	3,489	66.6	0.4
Newfoundland	90	5,650	1,828	7,568	63.7	0.9
Yukon	0	280	0	280	5.3	0.0
N.W.T.	0	285	0	285	11.1	0.0
Provincial total	13,291	128,491	47,939	189,721	21.9	21.6
Federal total	150	0	1,364	1,514	10.3	0.2
Subtotal	13,441	128,491	49,303	191,235	21.7	21.7

II. "Urban network"

	Municipal freeway	Municipal paved urban	Total urban	Total urban as % of total	Total urban as % of provincial total	Paved roads as % of provincial total	Paved roads as % of grand total
British Columbia	0	4,056	4,056	0.5	6.2	57.8	4.3
Alberta	1,082	12,276	13,358	1.5	7.8	20.5	4.0
Saskatchewan	26	7,510	7,536	0.9	3.9	9.2	2.0
Manitoba	0	2,709	2,709	0.3	3.2	12.6	1.2
Ontario	111	26,284	26,395	3.0	15.7	41.7	8.0
Quebec	0	30,000	30,000	3.4	27.6	65.0	8.0
New Brunswick	0	1,225	1,225	0.1	5.9	29.9	0.7
Nova Scotia	0	1,069	1,069	0.1	4.2	60.2	1.8
P.E.I.	0	227	227	0.0	4.3	70.9	0.4
Newfoundland	0	610	610	0.1	5.1	68.8	0.9
Yukon	0	94	94	0.0	1.8	7.1	0.0
N.W.T.	0	55	55	0.0	2.1	13.3	0.0
Provincial total	1,219	86,115	87,334	9.9	10.1	32.0	31.5
Federal total	0	1,209	1,209	0.1	6.2	18.5	0.3
Subtotal	1,219	87,324	88,543	10.1	10.1	31.8	31.8

III. Non-paved roads

	Non-paved roads			Total non- paved	Non- paved as % of provincial total	Non- paved as % of grand total	Total system length	
	Surface treated	Gravel	Earth/ other					
British Columbia	1,364	23,554	2,854	27,772	42.2	3.2	65,848	
Alberta	9,688	110,201	16,148	136,037	79.5	15.5	171,202	
Saskatchewan	11,356	122,393	42,656	176,405	90.8	20.1	194,325	
Manitoba	4,411	69,809	3	74,223	87.4	8.4	84,926	
Ontario	26,705	68,008	3,575	98,288	58.3	11.2	168,561	
Quebec	1,278	33,718	3,000	37,996	35.0	4.3	108,644	
New Brunswick	9,100	5,350	0	14,450	70.1	1.8	20,620	
Nova Scotia	0	10,248	0	10,248	39.8	1.2	25,740	
P.E.I.	0	1,526	0	1,526	29.1	0.2	5,242	
Newfoundland	0	3,706	0	3,706	31.2	0.4	11,884	
Yukon	1,567	3,297	0	4,864	92.9	0.6	5,238	
N.W.T.	309	1,916	0	2,225	86.7	0.3	2,565	
Provincial total	65,778	453,726	68,236	587,740	68.0	66.8	864,795	
Federal total	1,989	10,023	0	12,012	81.5	1.4	14,735	
Grand total	67,767	463,749	68,236	599,752	68.2	68.2	879,530	
							Paved	31.8%
							Non-paved	68.2%

Source: Transportation Association of Canada, *Canada's Roadway Infrastructure*, 1990, p. 8..

*these are estimates of the intercity/urban network built on assumptions made by RCNPT. Such information is not contained in the TAC report. Intercity is composed of the following categories: provincial freeways and paved roads, and municipal paved rural roads. Urban is composed of the following: municipal freeways and urban roads. All non-paved roads are collected in the third panel of the table.

Road and Street Length in Each Province, 1988/1989

	Total system length (km)	Total paved length (km)	% paved	1988 popu- lation (000s)	Area (sq. km) [1986]	Popu- lation/ sq. km	Total road/ 1,000 pop.	Paved road/ 1,000 pop.	Total road/ 1,000 sq. km	Paved road/ 1,000 sq. km	1988 Vehicle regis- trations (000s)	No. of vehicles per km of road	No. of vehicles per km of paved road
B.C.	65,848	38,076	57.8	2,980	892,677	3.34	22.1	12.8	73.8	42.7	2,350	35.7	61.7
Alta.	171,202	35,165	20.5	2,389	638,233	3.74	71.7	14.7	268.2	55.1	1,820	10.6	51.8
Sask.	194,325	17,920	9.2	1,014	570,113	1.78	191.7	17.7	340.9	31.4	755	3.9	42.2
Man.	84,926	10,703	12.6	1,084	547,704	1.98	78.3	9.9	155.1	19.5	770	9.1	71.9
Ont.	168,561	70,273	41.7	9,431	916,734	10.29	17.9	7.5	183.9	76.7	5,804	34.4	82.6
Que.	108,644	70,648	65.0	6,641	1,357,812	4.89	16.4	10.6	80.0	52.0	3,432	31.6	48.6
N.B.	20,620	6,170	29.9	714	71,569	9.98	28.9	8.6	288.1	86.2	452	21.9	73.2
N.S.	25,740	15,492	60.2	882	52,841	16.69	29.2	17.6	487.1	293.2	512	19.9	33.1
P.E.I.	5,242	3,716	70.9	129	5,660	22.70	40.8	28.9	926.1	656.5	83	15.7	22.2
Nfld.	11,884	8,178	68.8	569	371,635	1.53	20.9	14.4	32.0	22.0	307	25.8	37.5
Yukon	5,238	374	7.1	25	531,844	0.05	207.9	14.8	9.8	0.7	27	5.2	72.4
N.W.T.	2,565	340	13.3	52	3,246,389	0.02	49.1	6.5	0.8	0.1	24	9.3	70.4
Subtotal	864,795	277,055	32.0	25,909	9,203,210	2.82	33.4	10.7	94.0	30.1	16,336	18.9	59.0
Canada	879,530	279,778	31.8	25,909	9,203,210	2.82	33.9	10.8	95.6	30.4	16,336	18.6	58.4

Sources:

System length: Transportation Association of Canada, *Canada's Roadway Infrastructure*, 1990, p. 8.

Population: Statistics Canada, *Canadian Economic Observer, Historical Statistical Supplement 1990/1991*, Catalogue no. 11-210, July 1991, pp. 96-97.

Area: Statistics Canada, *Population and Dwelling Characteristics, Census Divisions and Subdivisions: Northwest Territories, part 2*, Catalogue no. 94-124, 1986 Census, Table 1.

Vehicle registrations: Statistics Canada, *Road Motor Vehicles Registrations 1988*, Catalogue no. 53-219.

Note: Canada total includes 14,735 km of roads owned and maintained by the federal government but not included in the provincial/territorial figures.

Motor Vehicle Registrations, 1919-1990

	Passenger automobiles	Auto. per 1,000 pop.	Commercial vehicles (trucks + buses + other)	Comm. veh. per 1,000 pop.	Motor-cycles	Motor-cycles per 1,000 pop.	Total vehicles registered	Total veh. per 1,000 pop.	Popul. of Canada ('000s)
1919	196,367	23.6	14,444	1.7	8,017	1.0	342,433	41.2	8,311.0
1920	251,945	29.4	22,310	2.6	8,195	1.0	408,790	47.8	8,556.0
1921	333,621	38.0	29,294	3.3	7,806	0.9	484,805	52.9	8,787.8
1922	368,510	41.3	37,643	4.2	9,375	1.1	509,382	57.1	8,919.0
1923	513,075	56.9	54,564	6.1	8,348	0.9	575,985	63.9	9,010.0
1924	573,204	62.7	64,003	7.0	8,056	0.9	645,263	70.8	9,143.0
1925	641,186	69.0	74,938	8.1	7,924	0.9	724,048	77.9	9,294.0
1926	736,729	78.0	88,019	9.3	7,520	0.8	832,268	88.1	9,451.0
1927	830,001	86.1	102,088	10.6	7,562	0.8	938,651	97.5	9,637.0
1928	930,619	94.6	130,827	13.3	7,897	0.8	1,069,343	108.7	9,835.0
1929	1,030,880	102.8	147,594	14.7	8,857	0.9	1,187,331	118.4	10,029.0
1930	1,061,500	104.0	161,562	15.8	9,427	0.9	1,232,489	120.7	10,208.0
1931	1,028,100	99.1	162,920	15.7	9,648	0.9	1,200,668	115.7	10,378.7
1932	948,312	90.2	155,802	14.8	9,419	0.9	1,113,533	105.9	10,510.0
1933	919,917	88.5	153,281	14.4	10,000	0.9	1,083,178	101.9	10,633.0
1934	955,151	88.9	164,075	15.3	10,308	1.0	1,129,532	105.2	10,741.0
1935	992,114	91.5	173,518	18.0	10,484	1.0	1,178,116	108.4	10,845.0
1936	1,041,529	95.1	187,770	17.1	10,825	1.0	1,240,124	113.3	10,950.0
1937	1,104,859	100.0	203,741	18.4	11,102	1.0	1,319,702	119.5	11,045.0
1938	1,161,480	104.1	221,300	19.8	12,073	1.1	1,394,853	125.1	11,152.0
1939	1,191,914	105.8	235,009	20.9	12,322	1.1	1,439,245	127.7	11,267.0
1940	1,236,492	108.6	250,958	22.1	13,379	1.2	1,500,829	131.9	11,381.0
1941	1,281,190	111.3	277,117	24.1	14,477	1.3	1,572,784	138.7	11,506.7
1942	1,218,483	104.6	289,842	24.9	15,818	1.4	1,524,153	130.8	11,654.0
1943	1,195,294	101.3	300,155	25.4	16,398	1.4	1,511,845	128.2	11,795.0
1944	1,178,879	98.7	308,643	25.8	15,045	1.3	1,502,567	125.8	11,946.0
1945	1,161,337	96.2	321,550	26.6	14,194	1.2	1,497,081	124.0	12,072.0
1946	1,235,309	100.5	369,991	30.1	17,163	1.4	1,622,463	132.0	12,292.0
1947	1,371,467	109.3	438,363	34.9	26,129	2.1	1,835,959	146.3	12,551.0
1948	1,497,983	116.8	503,021	39.2	33,939	2.6	2,034,943	158.7	12,823.0
1949	1,673,387	124.4	577,247	42.9	39,994	3.0	2,290,628	170.3	13,447.0
1950	1,913,355	139.5	643,244	46.9	43,670	3.2	2,600,269	189.6	13,712.0
1951	2,105,889	150.3	723,362	51.6	43,189	3.1	2,872,420	205.0	14,009.4
1952	2,308,374	159.5	807,365	55.8	42,085	2.9	3,155,824	218.3	14,459.0
1953	2,527,461	170.3	863,034	58.1	40,177	2.7	3,430,672	231.1	14,845.0
1954	2,706,025	177.0	900,899	58.9	37,665	2.5	3,644,589	238.4	15,287.0
1955	2,960,874	188.6	951,525	60.8	36,253	2.3	3,948,652	251.5	15,698.0
1956	3,222,484	200.4	1,007,373	62.6	35,580	2.2	4,265,437	265.3	16,080.8
1957	3,429,390	206.5	1,032,791	62.2	34,910	2.1	4,497,091	270.7	16,610.0
1958	3,631,381	212.6	1,058,571	62.0	33,873	2.0	4,723,825	276.8	17,080.0
1959	3,866,436	222.3	1,097,083	62.8	34,167	2.0	5,017,686	287.0	17,483.0
1960	4,104,415	229.7	1,117,450	62.5	34,476	1.9	5,256,341	294.1	17,870.0
1961	4,325,682	237.2	1,156,979	63.4	34,362	1.9	5,517,023	302.5	18,238.3
1962	4,531,384	243.8	1,210,325	65.1	33,101	1.8	5,774,810	310.8	18,583.0
1963	4,788,896	253.0	1,248,573	66.0	37,186	2.0	6,074,855	320.9	18,931.0
1964	5,077,861	261.2	1,297,039	67.2	47,133	2.4	6,382,033	330.8	19,291.0
1965	5,279,373	268.8	1,345,438	68.5	73,967	3.8	6,698,778	341.0	19,644.0
1966	5,480,724	273.8	1,446,603	72.3	107,934	5.4	7,035,261	351.5	20,014.9
1967	5,865,738	287.8	1,490,572	73.1	125,650	6.2	7,481,960	367.2	20,378.0
1968	6,159,573	297.5	1,587,217	76.7	140,287	6.8	7,887,077	381.0	20,701.0
1969	6,433,283	306.3	1,682,515	80.1	138,362	6.6	8,254,160	393.0	21,001.0
1970	6,602,176	310.0	1,737,781	81.8	157,402	7.4	8,497,339	399.0	21,297.0
1971	6,967,247	323.0	1,856,022	86.1	198,887	9.2	9,022,136	418.3	21,568.3
1972	7,407,275	339.8	1,825,656	83.7	248,501	11.4	9,481,432	434.9	21,801.5
1973	7,866,084	356.9	2,004,536	90.9	287,820	13.1	10,158,440	480.9	22,042.8
1974	8,472,224	378.8	2,208,612	98.8	321,167	14.4	11,002,003	492.0	22,364.0
1975	8,870,307	390.8	2,240,989	98.7	331,347	14.6	11,442,643	504.1	22,697.1
1976	9,016,258	392.1	2,428,754	105.6	341,297	14.8	11,786,309	512.6	22,992.6
1977	9,554,290	410.5	2,620,929	112.6	372,028	16.0	12,547,247	539.1	23,272.8
1978	9,744,994	414.4	2,889,074	122.9	341,381	14.5	12,975,449	551.7	23,517.0
1979	9,985,146	420.5	3,020,621	127.2	332,933	14.0	13,338,700	561.7	23,747.3
1980	10,255,511	426.6	3,072,961	127.8	368,680	16.2	13,717,152	570.5	24,042.5
1981	10,199,388	419.0	3,245,223	133.3	406,871	16.7	13,851,482	569.0	24,341.7
1982	10,530,365	428.4	3,348,909	136.2	431,453	17.8	14,310,717	582.1	24,583.1
1983	10,731,520	432.9	3,422,717	138.1	468,411	18.8	14,620,648	589.8	24,787.2
1984	10,780,667	431.6	3,155,380	126.3	470,445	18.8	14,406,472	576.8	24,978.2
1985	11,118,071	441.8	3,248,028	129.1	452,526	18.2	14,816,625	588.8	25,165.4
1986	11,477,314	452.7	3,319,882	130.9	430,135	17.0	15,227,311	600.8	25,353.0
1987	11,772,506	459.6	3,677,560	143.6	414,322	16.2	15,864,388	619.3	25,617.3
1988	12,086,001	466.5	3,880,502	149.8	369,758	14.3	16,336,281	630.5	25,909.2
1989	12,380,258	471.8	3,991,175	152.1	348,125	13.3	16,719,558	637.2	26,240.3
1990	12,622,038	474.5	4,028,017	151.4	331,075	12.4	16,981,130	638.3	26,602.8

Average annual growth rates (%)

	Passenger automobiles	Auto. per 1,000 pop.	Commercial vehicles (trucks + buses + other)	Comm. veh. per 1,000 pop.	Motor-cycles	Motor-cycles per 1,000 pop.	Total vehicles registered	Total veh. per 1,000 pop.	Popul. of Canada ('000s)
1920-1930	15.5	13.4	21.9	19.8	1.4	-0.4	11.7	9.7	1.8
1930-1940	1.5	0.4	4.5	3.4	3.6	2.4	2.0	0.9	1.1
1940-1950	4.5	2.5	9.9	7.8	12.6	10.5	5.8	3.7	1.9
1950-1960	7.9	5.1	5.7	2.9	-2.3	-4.9	7.3	4.5	2.7
1960-1970	4.9	3.0	4.5	2.7	16.4	14.4	4.9	3.1	1.8
1970-1980	4.5	3.2	5.9	4.6	9.5	8.1	4.9	3.8	1.2
1980-1990	2.1	1.1	2.7	1.7	-1.6	-2.6	2.2	1.1	1.0

Sources: Registrations: 1919-1975: Statistics Canada, *Historical Statistics of Canada*, 2nd ed., ed. F.H. Leacy (Ottawa: Supply and Services, 1983), series T147-T150; 1976-1990: Statistics Canada, *Road Motor Vehicles Registrations*, Catalogue no. 53-219, various issue years; Population: 1919-1920: 1st Edition of *Historical Statistics of Canada*, p. 14; 1921-1990: Statistics Canada, *Canadian Economic Observer*, *Historical Statistical Supplement 1990/1991*, Catalogue no. 11-210, July 1991, pp. 96-97.

Canadian and American Motor Vehicle Registrations, 1960-1990

	Passenger automobiles	Trucks/ tractors	Buses	Other	Commercial Vehicles (trucks + buses + other)	Motor- cycles	Total vehicles registered
I. Canadian motor vehicle registrations (number)							
1960	4,104,415	1,038,567	17,562	61,321	1,117,450	34,476	5,256,341
1961	4,325,682	1,059,640	19,549	77,790	1,156,979	34,362	5,517,023
1962	4,531,384	1,093,919	21,301	95,105	1,210,325	33,101	5,774,810
1963	4,788,896	1,121,624	22,592	104,357	1,248,573	37,186	6,074,655
1964	5,037,861	1,162,692	24,189	110,158	1,297,039	47,133	6,382,033
1965	5,279,373	1,205,457	26,240	113,741	1,345,438	73,967	6,698,778
1966	5,480,724	1,266,024	—	—	1,446,603	107,934	7,035,261
1967	5,865,738	1,277,024	35,699	177,849	1,490,572	125,650	7,481,960
1968	6,159,573	1,350,510	38,614	198,093	1,587,217	140,287	7,887,077
1969	6,433,283	1,421,816	39,755	220,944	1,682,515	138,362	8,254,160
1970	6,602,176	1,440,079	41,118	256,564	1,737,761	157,402	8,497,339
1971	6,967,247	1,514,976	41,581	299,465	1,856,022	198,867	9,022,136
1972	7,407,275	1,639,175	42,802	143,679	1,825,656	248,501	9,481,432
1973	7,866,084	1,799,042	44,265	161,229	2,004,536	287,820	10,158,440
1974	8,472,224	1,980,106	47,459	181,047	2,208,612	321,167	11,002,003
1975	8,870,307	2,111,945	45,859	83,185	2,240,989	331,347	11,442,643
1976	9,016,258	2,266,383	50,437	111,934	2,428,754	341,297	11,786,309
1977	9,554,290	2,442,342	52,003	126,584	2,620,929	372,028	12,547,247
1978	9,744,994	2,717,832	52,966	118,276	2,889,074	341,381	12,975,449
1979	9,985,146	2,854,217	52,927	113,477	3,020,621	332,933	13,338,700
1980	10,255,511	2,902,730	52,569	117,662	3,072,961	388,680	13,717,152
1981	10,199,388	3,137,987	54,210	53,026	3,245,223	406,871	13,851,482
1982	10,530,355	3,239,341	54,065	55,503	3,348,909	431,453	14,310,717
1983	10,731,520	3,307,746	57,476	57,495	3,422,717	466,411	14,620,648
1984	10,780,667	3,046,889	52,169	56,302	3,155,360	470,445	14,406,472
1985	11,118,071	3,095,243	53,285	99,500	3,248,028	452,526	14,818,625
1986	11,477,314	3,155,656	56,476	107,730	3,319,862	430,135	15,227,311
1987	11,772,506	3,508,497	59,266	109,797	3,677,560	414,322	15,864,388
1988	12,086,001	3,706,032	59,834	114,636	3,880,502	369,758	16,336,261
1989	12,380,258	3,826,963	62,494	101,718	3,991,175	348,125	16,719,558
1990	12,622,038	3,867,385	63,962	96,670	4,028,017	331,075	16,981,130

Average annual growth rates (%)

1960-1990	3.8	4.5	4.4	1.5	4.4	7.8	4.0
1980-1990	2.1	2.9	2.0	-1.9	2.7	-1.6	2.2

Source: Statistics Canada, *Road Motor Vehicles Registrations*, Catalogue no. 53-219, issue years 1960-1990.

Notes: 1) Revised data have been used wherever possible; 2) Data on buses and other vehicles for 1966 do not appear because revised statistics were not available; 3) Other includes ambulances, fire engines, farm tractors, and other specialized vehicles; 4) Substantial differences exist in classification across provincial jurisdictions. For example, B.C. groups buses with trucks, and Ontario puts ambulances and fire trucks in the truck category. For this reason, it is advisable to use aggregates such as "commercial vehicles" rather than individual items.

II. U.S. motor vehicle registrations, ('000s)

1960	61,671	11,914	272	n/a	12,186	574	74,432
1980	121,601	33,667	529	n/a	34,195	5,694	161,490
1981	123,098	34,644	544	n/a	35,188	5,831	164,118
1982	123,702	38,382	559	n/a	38,942	5,754	168,397
1983	126,444	36,723	583	n/a	37,305	5,585	169,334
1984	128,158	37,507	584	n/c	38,091	5,480	171,729
1985	131,864	39,196	593	n/a	39,790	5,444	177,098
1986	135,431	40,069	594	n/a	40,663	5,262	181,357
1987	137,208	41,144	602	n/a	41,747	4,917	183,872
1988	141,252	42,529	616	n/a	43,145	4,584	188,981
1989	143,026	43,610	625	n/a	44,235	4,434	191,694
1990	143,550	44,479	627	n/a	45,106	4,259	192,915

Average annual growth rates (%)

1960-1990	2.9	4.5	2.8	—	4.5	6.9	3.2
1980-1990	1.7	2.8	1.7	—	2.8	-2.9	1.8

Source: Federal Highway Administration (FHWA), *Highway Statistics*, issue years 1987-1990, and the *Summary to 1985*.

Estimates of Intercity and Urban Automobile Travel For Canada, 1930-1990

	Net sales of gasoline (millions of litres)	U.S. trend in auto. gasoline share	Net sales consumed by autos	Fuel efficiency (litres/100 km)	Auto. vehicle-kilometres (millions)	Intercity pass.-km (millions)	Urban pass.-km (millions)	Total pass.-km (millions)	Index of occup. rate	Auto. regist. ('000s)	Avg. km driven/ auto. (no.)	Pass.-km/capita (no.)	Population/reg. auto. (no.)
1930	2,096	77.2%	1,619	15.4	10,500	11,811	16,073	27,884	148.3	1,062	9,892	2,712	9.8
1931	2,106	77.0%	1,621	15.4	10,516	11,575	16,024	27,599	147.7	1,028	10,229	2,680	10.1
1932	2,086	76.7%	1,600	15.4	10,378	11,475	15,885	27,360	148.3	948	10,943	2,603	11.1
1933	1,917	76.5%	1,466	15.4	9,507	10,560	14,618	25,178	149.0	920	10,335	2,368	11.6
1934	2,168	76.2%	1,652	15.4	10,716	11,956	16,551	28,508	149.7	955	11,219	2,654	11.2
1935	2,275	76.0%	1,726	15.4	11,207	12,504	17,309	29,813	149.7	992	11,296	2,749	10.9
1936	2,422	75.7%	1,834	15.4	11,894	13,211	18,289	31,500	149.0	1,042	11,420	2,877	10.5
1937	2,743	75.5%	2,070	15.4	13,425	14,844	20,549	35,393	148.3	1,105	12,151	3,204	10.0
1938	2,673	75.1%	2,158	15.4	13,996	15,476	21,423	36,896	148.3	1,161	12,050	3,309	9.8
1939	3,014	74.8%	2,254	15.4	14,621	16,094	22,729	38,373	147.7	1,192	12,267	3,406	9.5
1940	3,195	74.6%	2,384	15.4	15,463	16,943	23,455	40,398	147.0	1,236	12,506	3,550	9.2
1941	3,398	74.5%	2,532	15.4	16,429	18,002	24,920	42,921	147.0	1,281	12,823	3,730	9.0
1942	2,781	72.9%	2,026	15.5	13,064	14,249	19,725	33,975	146.3	1,218	10,721	2,915	9.6
1943	2,409	68.1%	1,641	15.6	10,496	11,501	15,921	27,421	147.0	1,195	8,781	2,325	9.9
1944	2,613	68.2%	1,781	15.7	11,371	12,459	17,247	29,707	147.0	1,179	9,845	2,487	10.1
1945	3,012	70.2%	2,115	15.7	13,492	14,852	20,559	35,411	147.7	1,161	11,818	2,933	10.4
1946	4,543	73.6%	3,355	15.8	21,286	23,432	32,437	55,869	147.7	1,235	17,233	4,545	10.0
1947	5,098	71.9%	3,667	15.8	23,270	25,498	35,297	60,794	147.0	1,371	16,967	4,844	9.2
1948	5,152	71.0%	3,656	15.8	23,199	25,188	34,868	60,056	145.8	1,496	15,487	4,683	8.6
1949	5,698	71.4%	4,068	15.7	25,838	27,923	38,655	66,578	145.0	1,673	15,440	4,951	8.0
1950	6,320	69.1%	4,370	15.8	27,731	29,692	41,103	70,796	143.6	1,913	14,493	5,163	7.2
1951	6,951	69.6%	4,854	15.7	30,864	32,583	45,106	77,689	141.6	2,106	14,656	5,545	6.7
1952	7,811	70.3%	5,490	16.1	34,155	35,716	49,442	85,157	140.3	2,306	14,809	5,890	6.3
1953	8,649	70.8%	6,122	16.0	38,177	39,540	54,735	94,274	138.9	2,527	15,105	6,351	5.9
1954	9,186	71.3%	6,552	16.2	40,509	41,752	57,796	99,550	138.3	2,706	14,970	6,512	5.6
1955	10,124	72.0%	7,294	16.2	44,967	46,122	63,846	109,968	137.6	2,961	15,187	7,005	5.3
1956	11,170	72.3%	8,078	16.4	49,196	49,968	69,171	119,139	136.2	3,222	15,267	7,409	5.0
1957	11,784	73.1%	8,620	16.4	52,639	52,938	73,282	126,220	134.9	3,429	15,349	7,599	4.8
1958	12,420	73.8%	9,168	16.5	55,629	55,668	77,059	132,725	134.2	3,631	15,319	7,771	4.7
1959	13,023	74.0%	9,634	16.5	58,482	58,208	80,578	138,786	133.6	3,886	15,042	7,938	4.5
1960	13,701	74.2%	10,168	16.5	61,614	61,036	84,497	145,536	132.9	4,104	15,012	8,144	4.4
1961	14,135	74.2%	10,487	16.4	63,985	63,068	87,305	150,373	132.2	4,326	14,792	8,245	4.2
1962	14,806	74.4%	11,023	16.4	67,204	65,904	91,231	157,135	131.5	4,531	14,831	8,456	4.1
1963	15,640	73.8%	11,540	16.5	69,823	67,774	93,820	161,594	130.2	4,789	14,580	8,536	4.0
1964	16,827	74.0%	12,444	16.5	75,199	72,616	100,523	173,139	129.5	5,036	14,927	8,975	3.8
1965	18,182	74.2%	13,487	16.5	81,612	78,401	108,530	186,931	128.9	5,279	15,459	9,516	3.7
1966	19,421	75.5%	15,249	16.7	91,477	86,961	120,381	207,342	127.5	5,481	16,691	10,359	3.7
1967	20,387	79.1%	16,113	16.7	96,355	91,117	126,133	217,250	126.8	5,866	16,427	10,661	3.5
1968	21,631	79.1%	17,116	17.0	100,951	94,452	130,751	225,203	125.5	6,160	16,389	10,879	3.4
1969	22,930	79.2%	18,165	17.3	105,147	97,327	134,730	232,057	124.2	6,433	16,344	11,050	3.3
1970	24,098	79.2%	19,092	17.4	109,716	100,458	139,064	239,522	122.8	6,602	16,618	11,247	3.2
1971	25,123	79.3%	19,920	17.4	114,700	104,447	144,586	249,033	122.1	6,967	16,463	11,546	3.1
1972	26,945	79.0%	21,274	17.6	121,194	108,541	150,254	258,795	120.1	7,407	16,361	11,871	2.9
1973	29,192	78.2%	22,819	17.7	128,992	114,235	158,136	272,371	118.8	7,866	16,399	12,356	2.8
1974	30,338	77.8%	23,604	17.5	134,621	117,199	162,239	279,438	118.8	8,472	15,890	12,495	2.6
1975	31,824	76.9%	24,487	17.4	140,801	119,057	164,811	283,869	113.4	8,870	15,873	12,507	2.6
1976	32,338	75.9%	24,625	17.4	141,642	119,059	164,814	283,873	112.8	9,016	15,710	12,346	2.6
1977	33,277	74.5%	24,777	17.0	145,337	120,710	167,100	287,811	111.4	9,554	15,212	12,367	2.4
1978	34,720	72.8%	25,261	16.8	150,783	122,971	170,229	293,200	109.4	9,745	15,473	12,468	2.4
1979	35,623	71.5%	25,468	16.3	155,985	125,652	173,941	299,593	108.1	9,985	15,622	12,616	2.4
1980	35,748	71.0%	25,396	15.2	166,967	133,663	185,031	318,694	107.4	10,256	16,281	13,255	2.3
1981	34,565	71.2%	24,624	14.8	166,848	131,898	182,588	314,486	106.0	10,199	16,359	12,920	2.4
1982	31,199	71.1%	22,196	14.1	157,083	124,179	171,902	296,081	106.0	10,530	14,917	12,044	2.3
1983	30,332	69.8%	21,182	13.7	154,327	120,456	166,748	287,203	104.7	10,732	14,381	11,587	2.3
1984	30,368	67.8%	20,577	13.2	155,939	120,934	167,410	288,344	104.0	10,781	14,465	11,544	2.3
1985	30,239	66.9%	20,224	12.9	156,468	122,910	170,145	293,055	105.4	11,118	14,073	11,645	2.3
1986	30,540	66.7%	20,373	12.9	158,255	122,730	169,895	292,625	104.0	11,477	13,788	11,542	2.2
1987	31,072	64.9%	20,173	12.2	164,706	126,908	175,680	302,589	103.4	11,773	13,991	11,812	2.2
1988	32,083	65.5%	21,020	11.8	177,565	135,040	186,937	321,977	102.0	12,086	14,692	12,427	2.1
1989	32,594	65.8%	21,433	11.6	185,094	136,913	192,299	331,212	100.7	12,380	14,951	12,622	2.1
1990	31,766	65.7%	20,893	11.2	185,738	136,468	191,681	330,149	100.0	12,622	14,715	12,410	2.1

Average annual growth rates (%)

	4.6	-0.3	4.4	-0.5	4.9	4.2	4.2	4.2	-0.7	4.2	0.7	2.6	-2.5
1930-1990	4.6	-0.3	4.4	-0.5	4.9	4.2	4.2	4.2	-0.7	4.2	0.7	2.6	-2.5
1930-1940	4.3	-0.3	3.9	-0.0	3.9	3.9	3.9	3.9	-0.1	1.5	2.4	2.7	-0.4
1940-1950	7.1	-0.8	6.2	0.2	6.0	5.8	5.8	5.8	-0.2	4.5	1.5	3.8	-2.5
1950-1960	8.0	0.7	8.8	0.5	8.3	7.5	7.5	7.5	-0.8	7.9	0.4	4.7	-4.9
1960-1970	5.8	0.7	6.5	0.5	5.9	5.1	5.1	5.1	-0.8	4.9	1.0	3.3	-3.0
1970-1980	4.0	-1.1	2.9	-1.3	4.3	2.9	2.9	2.9	-1.3	4.5	-0.2	1.7	-3.1
1980-1990	-1.2	-0.8	-1.9	-3.0	1.1	0.4	0.4	0.4	-0.7	2.1	-1.0	-0.7	-1.1

Sources: Fuel Sales: 1930-1944: D.B.S., *Highway and the Motor Vehicle in Canada*, Catalogue no. 53-201, 1938 and 1944 editions; 1945-1955: D.B.S., *Motor Vehicle*, Catalogue no. 53-203, 1950 and 1955 editions; 1956-1990: Statistics Canada, *Road Motor Vehicles - Fuel Sales*, Catalogue no. 53-218, various issues. Fuel Efficiency: 1936-1985: Federal Highway Administration, *Highway Statistics, Summary to 1985*, pp. 229-232; 1986-1990: FHWA, *Highway Statistics*, 1987-1990 editions, Table VM-1; Vehicle Registrations: see Table C-4.4.

Notes: 1) Fuel sales for Alberta (1978-1987) and Saskatchewan (1982-1989) were estimated because they did not levy taxes on fuel; 2) An occupancy rate of 2.1 persons per car was assumed for intercity travel (1.6 for urban travel) in 1990; the trend in occupancy was estimated by regressing implicit occupancies from fatalities statistics on vehicle registrations per capita; 3) The split of vehicle-kilometres between intercity and urban trips was derived from American data in the following way: urban is any travel on 'urban streets' and 'local rural roads' from 1936-1965; from 1966 onwards, it is any travel on 'other urban' and 'other rural' roads; intercity travel forms the residual. These shares have remained quite stable, averaging 65% urban and 35% intercity, from 1936-1990.

Statistics on Personal-Use Passenger Cars
From the Fuel Consumption Survey, 1980-1988

	Passenger cars operated ('000s)	Total vehicle-kilometres (mill. km)	Total fuel consumed (mill. L)	Fuel consumption ratio (L/100 km)	Distance driven per car (km)	Intercity occupancy rate (persons/car)
1980	7,095.7	112,492	18,636.0	16.6	15,853	2.3
1981	7,061.5	109,925	17,554.1	16.0	15,567	2.2
1982	7,124.5	114,640	17,162.3	15.0	16,091	2.2
1983	7,043.8	112,835	16,406.2	14.5	16,019	2.2
1984	7,128.5	116,081	16,049.0	13.8	16,284	2.2
1985	7,552.8	122,676	16,407.9	13.4	16,242	2.2
1986	7,625.1	125,981	16,325.6	13.0	16,522	2.2
1987	7,866.8	135,657	16,398.7	12.1	17,244	2.2
1988	8,156.9	141,790	17,019.6	12.0	17,383	2.1

	Urban occupancy rate (persons/car)	Intercity share based on U.S. split of v-kms	Urban share	Intercity pass.-km (mill. km)	Urban pass.-km (mill. km)	Total pass.-km (mill. km)
1980	1.72	35.2%	64.8%	89,281	125,251	214,532
1981	1.70	35.4%	64.6%	86,703	120,444	207,147
1982	1.70	35.3%	64.7%	90,134	125,829	215,963
1983	1.68	35.3%	64.7%	87,643	122,242	209,886
1984	1.66	35.2%	64.8%	89,212	125,237	214,449
1985	1.69	35.2%	64.8%	95,539	134,029	229,567
1986	1.66	35.5%	64.5%	97,713	135,239	232,951
1987	1.65	35.9%	64.1%	105,717	143,788	249,505
1988	1.63	35.9%	64.1%	109,080	148,324	257,404

Sources: 1980-Third Quarter 1983: Statistics Canada, *Fuel Consumption Survey*, Catalogue no. 53-226, September 1987, Series G1, G2, and G4; Fourth Quarter 1983: Statistics Canada, *Passenger Car Fuel Consumption Survey*, October 1984; 1984-1988: Statistics Canada, *Fuel Consumption Survey*, Catalogue no. 53-226, February 1990, Summary tables in Parts 1-5.

Occupancy rates are derived from motor vehicle fatalities statistics. See Tables C-4.6 and C-4.9 for further details.

Notes: 1) The Fuel Consumption Survey is a survey of car and light truck use (autos only in 1988) by households. This table, however, examines only passenger car use; 2) The breakdown of vehicle-kilometres between intercity and urban travel is derived from U.S. data found in *Highway Statistics*, published by the Federal Highway Administration (FHWA). Intercity vehicle-kilometres include all travel on rural interstates, other rural arterial highways, and urban interstates by personal passenger vehicles. Urban vehicle-kilometres form the residual; 3) Urban is defined to include travel on all roads and streets in urban places of 5,000 or greater population; 4) Revised data have been used where possible.

Estimates of Intercity and Urban Light Truck Travel in Canada, 1930-1990

	Net sales of gasoline (millions of litres)	U.S. light truck gasoline share	Net sales used by light trucks	Fuel efficiency (litres/100 km)	Light truck vehicle-km (millions)	Assume 80.0% of travel personal use (millions)	Total pass.-km (mill.)	Intercity pass.-km (mill.)	Urban pass.-km (mill.)	Index of occup. rate	Popul. of Canada ('000s)	Total pass.-km/capita (no.)
1930	2,096	8.4%	176	17.4	1,010	808	1,841	736	1,105	148.3	10,208	180
1931	2,108	8.6%	180	17.7	1,020	816	1,851	740	1,111	147.7	10,377	178
1932	2,086	8.7%	182	18.0	1,014	812	1,850	739	1,110	148.3	10,510	178
1933	1,917	8.9%	171	18.2	937	749	1,716	686	1,030	149.0	10,633	161
1934	2,168	9.1%	197	18.5	1,084	851	1,957	782	1,175	149.7	10,741	182
1935	2,275	9.2%	210	18.8	1,121	897	2,062	824	1,238	149.7	10,845	190
1936	2,422	9.4%	228	19.0	1,200	960	2,197	878	1,319	149.0	10,950	201
1937	2,743	9.6%	264	19.3	1,368	1,094	2,494	997	1,497	148.3	11,045	226
1938	2,873	9.8%	282	19.5	1,443	1,155	2,631	1,052	1,580	148.3	11,152	236
1939	3,014	10.1%	303	19.8	1,533	1,227	2,783	1,112	1,671	147.7	11,267	247
1940	3,195	10.2%	327	20.0	1,631	1,305	2,946	1,177	1,769	147.0	11,381	259
1941	3,398	10.4%	352	20.3	1,738	1,390	3,140	1,255	1,885	147.0	11,507	273
1942	2,781	10.8%	301	20.8	1,459	1,167	2,624	1,049	1,575	146.3	11,654	225
1943	2,409	12.6%	303	21.0	1,444	1,155	2,609	1,043	1,566	147.0	11,795	221
1944	2,613	12.5%	326	21.1	1,542	1,234	2,786	1,114	1,673	147.0	11,946	233
1945	3,012	11.9%	358	21.2	1,691	1,353	3,069	1,227	1,843	147.7	12,072	254
1946	4,543	10.7%	487	20.7	2,349	1,879	4,264	1,704	2,560	147.7	12,252	347
1947	5,098	11.7%	596	21.0	2,845	2,276	5,139	2,054	3,085	147.0	12,551	409
1948	5,152	12.3%	635	21.2	3,001	2,401	5,373	2,147	3,226	145.8	12,823	419
1949	5,698	12.3%	703	21.3	3,301	2,641	5,882	2,351	3,531	145.0	13,447	437
1950	6,320	13.8%	871	22.2	3,916	3,133	6,913	2,763	4,150	143.8	13,712	504
1951	6,951	13.7%	956	22.4	4,264	3,411	7,422	2,966	4,456	141.6	14,009	530
1952	7,811	13.8%	1,078	22.7	4,748	3,797	8,183	3,270	4,912	140.3	14,459	566
1953	8,649	13.6%	1,180	22.2	5,318	4,254	9,081	3,529	5,552	138.9	14,845	612
1954	9,188	13.6%	1,248	22.4	5,555	4,444	9,440	3,773	5,667	138.3	15,287	618
1955	10,124	13.5%	1,364	22.6	6,042	4,833	10,217	4,084	6,134	137.8	15,698	651
1956	11,170	13.6%	1,515	22.7	6,672	5,338	11,173	4,468	6,707	136.2	16,081	695
1957	11,784	13.5%	1,594	23.7	6,717	5,374	11,138	4,451	6,686	134.9	16,610	671
1958	12,420	13.5%	1,874	23.6	7,086	5,689	11,692	4,673	7,019	134.2	17,080	685
1959	13,023	13.7%	1,790	23.5	7,608	6,087	12,490	4,992	7,498	133.6	17,483	714
1960	13,701	13.9%	1,900	23.5	8,078	6,462	13,195	5,274	7,921	132.9	17,870	738
1961	14,135	14.1%	1,998	23.9	8,361	6,689	13,588	5,431	8,157	132.2	18,238	745
1962	14,806	14.2%	2,108	23.9	8,612	7,050	14,248	5,695	8,554	131.5	18,583	767
1963	15,640	14.8%	2,315	22.1	10,493	8,394	16,793	6,712	10,081	130.2	18,931	887
1964	16,827	15.0%	2,522	22.0	11,448	9,159	18,227	7,285	10,942	129.5	19,291	945
1965	18,182	15.2%	2,769	21.9	12,640	10,112	20,200	8,001	12,018	128.9	19,644	1,019
1966	19,421	13.5%	2,616	24.3	10,787	8,629	16,907	6,757	10,150	127.5	20,015	845
1967	20,367	13.1%	2,672	23.9	11,168	8,934	17,412	6,959	10,453	126.8	20,378	854
1968	21,631	13.5%	2,921	23.9	12,245	9,796	18,890	7,550	11,340	125.5	20,701	913
1969	22,930	13.9%	3,198	24.0	13,348	10,679	20,372	8,142	12,230	124.2	21,001	970
1970	24,098	14.4%	3,466	23.5	14,756	11,804	22,576	8,903	13,373	122.8	21,297	1,046
1971	25,123	15.0%	3,765	23.0	16,364	13,092	24,570	9,820	14,750	122.1	21,568	1,139
1972	26,945	15.7%	4,228	22.8	18,585	14,868	27,443	10,968	16,475	120.1	21,802	1,259
1973	29,192	16.7%	4,881	22.4	21,807	17,446	31,842	12,727	19,116	118.8	22,043	1,445
1974	30,338	17.3%	5,236	21.4	24,426	19,541	35,061	14,013	21,048	116.8	22,364	1,568
1975	31,824	18.0%	5,734	21.0	27,331	21,865	38,104	15,229	22,875	113.4	22,697	1,679
1976	32,438	19.2%	6,231	21.0	29,667	23,734	41,116	16,433	24,683	112.8	22,993	1,788
1977	33,277	20.3%	6,748	20.6	32,833	26,267	44,962	17,970	26,992	111.4	23,273	1,932
1978	34,720	21.4%	7,441	20.2	36,747	29,398	49,413	19,749	29,664	109.4	23,517	2,101
1979	35,623	22.9%	8,151	19.9	40,888	32,709	54,304	21,704	32,600	108.1	23,747	2,287
1980	35,748	23.3%	8,336	19.1	43,700	34,960	57,680	23,053	34,627	107.4	24,043	2,399
1981	34,585	23.8%	8,224	18.8	43,724	34,979	56,990	22,778	34,213	106.0	24,342	2,341
1982	31,199	24.2%	7,554	18.3	41,234	32,987	53,745	21,481	32,265	106.0	24,583	2,186
1983	30,332	25.5%	7,743	18.3	42,208	33,765	54,316	21,709	32,607	104.7	24,787	2,191
1984	30,368	27.3%	8,291	18.2	45,575	36,460	58,276	23,291	34,984	104.0	24,978	2,333
1985	30,239	28.0%	8,473	18.3	46,308	37,046	59,976	23,971	36,005	105.4	25,165	2,383
1986	30,540	28.3%	8,658	18.3	47,316	37,853	60,502	24,181	36,321	104.0	25,353	2,386
1987	31,072	29.7%	9,223	18.3	50,487	40,390	64,140	25,635	38,505	103.4	25,617	2,504
1988	32,083	29.9%	9,584	17.6	54,589	43,671	68,450	27,358	41,092	102.0	25,909	2,642
1989	32,394	29.8%	9,724	17.1	56,907	45,525	70,418	28,144	42,274	100.7	26,240	2,684
1990	31,766	30.1%	9,554	16.7	57,219	45,775	70,332	28,110	42,222	100.0	26,603	2,644

Average annual growth rates (%)

1930-1990	4.6	2.1	6.9	-0.1	7.0	7.0	6.3	6.3	6.3	-0.7	1.6	4.6
1930-1940	4.3	2.0	6.4	1.4	4.9	4.9	4.8	4.8	4.8	-0.1	1.1	3.7
1940-1950	7.1	3.0	10.3	1.0	9.2	9.2	8.9	8.9	8.9	-0.2	1.9	6.9
1950-1960	8.0	0.1	8.1	0.6	7.5	7.5	6.7	6.7	6.7	-0.8	2.7	3.9
1960-1970	5.8	0.4	6.2	-0.0	6.2	6.2	5.4	5.4	5.4	-0.8	1.8	3.5
1970-1980	4.0	4.9	9.2	-2.1	11.5	11.5	10.0	10.0	10.0	-1.3	1.2	8.7
1980-1990	-1.2	2.8	1.4	-1.3	2.7	2.7	2.0	2.0	2.0	-0.7	1.0	1.0

Sources: Fuel Sales: 1930-1944: D.B.S., *Highway and the Motor Vehicle in Canada*, Catalogue no. 53-201, 1938 and 1944 editions; 1945-1955: D.B.S., *Motor Vehicle*, Catalogue no. 53-203, 1950 and 1955 editions; 1956-1990: Statistics Canada, *Road Motor Vehicles - Fuel Sales*, Catalogue no. 53-218, various issues. Fuel Efficiency: 1936-1985: Federal Highway Administration, *Highway Statistics, Summary to 1985*, pp. 229-232; 1986-1990: FHWA, *Highway Statistics*, 1987-1990 editions, Table VM-1.

Notes: 1) U.S. light truck travel and fuel consumption were estimated from 1930-1965; 2) An occupancy rate of 1.8 persons per car was assumed for intercity travel (1.4 for urban travel) in 1990; the trend in occupancy was estimated by regressing implicit occupancies from fatalities statistics on vehicle registrations per capita; 3) The split of vehicle-kilometres between intercity and urban trips was derived from American data in the following way: urban is any travel on 'urban streets' and 'local rural roads' from 1936-1965; from 1966 onwards, it is any travel on 'other urban' and 'other rural' roads; intercity travel forms the residual. These shares have remained quite stable, averaging 66% urban and 34% intercity, from 1966-1990.

Motor Vehicle Accident Statistics, 1921-1990

	Casualty accidents	Total fatalities	Driver fatalities	Passenger fatalities	Implicit occupancy rate	Injuries	Total vehicle regist. (000s)	Accident rate per 10,000 vehicles	Total fatality rate per 10,000 vehicles	Driver fatality rate per 10,000 vehicles	Pass. fatality rate per 10,000 vehicles	Injury rate per 10,000 vehicles
1921	-	197	-	-	-	-	464.8	-	4.2	-	-	-
1922	-	237	-	-	-	-	509.4	-	4.7	-	-	-
1923	-	355	-	-	-	-	576.0	-	6.2	-	-	-
1924	-	340	-	-	-	-	845.3	-	5.3	-	-	-
1925	-	425	-	-	-	-	724.0	-	5.9	-	-	-
1926	-	606	-	-	-	-	832.3	-	7.3	-	-	-
1927	-	865	-	-	-	-	939.7	-	9.2	-	-	-
1928	-	1,082	-	-	-	-	1,069.3	-	10.1	-	-	-
1929	-	1,300	-	-	-	-	1,187.3	-	10.9	-	-	-
1930	-	1,290	-	-	-	-	1,232.5	-	10.5	-	-	-
1931	-	1,316	-	-	-	-	1,200.7	-	11.0	-	-	-
1932	-	1,120	-	-	-	11,113	1,113.5	-	10.1	-	-	99.8
1933	-	955	-	-	-	14,947	1,083.2	-	8.8	-	-	138.0
1934	-	1,115	-	-	-	17,998	1,129.5	-	9.9	-	-	159.3
1935	-	1,224	-	-	-	20,989	1,176.1	-	10.4	-	-	178.5
1936	-	1,316	345	247	1.72	23,207	1,240.1	-	10.6	2.8	2.0	187.1
1937	-	1,642	409	289	1.71	25,703	1,319.7	-	12.4	3.1	2.2	194.8
1938	-	1,545	334	257	1.77	24,585	1,394.9	-	11.1	2.4	1.8	176.3
1939	-	1,584	347	306	1.88	25,104	1,439.2	-	11.0	2.4	2.1	174.4
1940	-	1,723	333	426	2.28	29,504	1,500.8	-	11.5	2.2	2.8	196.6
1941	-	1,852	306	492	2.61	30,984	1,572.8	-	11.8	1.9	3.1	197.0
1942	-	1,409	246	297	2.21	22,809	1,524.2	-	9.2	1.6	1.9	149.7
1943	-	1,437	234	284	2.21	20,390	1,511.8	-	9.5	1.5	1.9	134.9
1944	-	1,374	223	300	2.35	20,228	1,502.6	-	9.1	1.5	2.0	134.6
1945	18,808	1,556	283	362	2.28	24,422	1,497.1	125.6	10.4	1.9	2.4	163.1
1946	23,018	1,863	387	440	2.14	30,679	1,622.5	141.9	10.2	2.4	2.7	189.1
1947	24,684	1,780	428	506	2.18	32,685	1,836.0	134.4	9.6	2.3	2.8	178.0
1948	29,508	1,976	484	581	2.25	38,098	2,034.9	145.0	9.7	2.3	2.9	187.2
1949	33,455	2,276	554	692	2.25	43,883	2,290.8	148.1	9.9	2.4	3.0	191.6
1950	36,869	2,181	382	474	2.24	50,032	2,600.3	141.8	8.3	1.5	1.8	192.4
1951	41,691	2,412	485	561	2.16	54,754	2,872.4	145.1	8.4	1.7	2.0	190.6
1952	44,156	2,701	545	638	2.17	57,738	3,155.8	139.9	8.6	1.7	2.0	183.0
1953	45,033	2,921	598	713	2.19	56,749	3,430.7	131.3	8.5	1.7	2.1	165.4
1954	47,649	2,715	616	643	2.04	47,020	3,644.6	130.7	7.4	1.7	1.8	129.0
1955	50,417	2,084	691	699	2.01	49,828	3,948.7	127.7	5.3	1.7	1.8	126.2
1956	53,346	3,184	836	781	1.93	72,884	4,265.4	125.1	7.5	2.0	1.8	170.9
1957	56,837	3,260	794	764	1.96	78,426	4,497.1	126.4	7.2	1.8	1.7	174.4
1958	57,249	3,118	1,115	976	1.88	80,061	4,723.8	121.2	6.8	2.4	2.1	169.5
1959	59,965	3,231	1,129	1,058	1.94	84,751	5,017.7	119.5	6.4	2.3	2.1	168.9
1960	63,874	3,283	1,160	1,094	1.94	90,186	5,256.3	121.5	6.2	2.2	2.1	171.6
1961	70,543	3,426	1,256	1,132	1.90	99,263	5,517.0	127.9	6.2	2.3	2.1	179.9
1962	78,275	3,883	1,505	1,275	1.85	111,115	5,774.8	135.5	6.7	2.6	2.2	192.4
1963	87,860	4,210	1,607	1,302	1.81	126,086	6,074.7	144.6	6.9	2.6	2.1	207.6
1964	96,567	4,652	1,762	1,515	1.86	139,632	6,382.0	151.3	7.3	2.8	2.4	218.8
1965	104,750	4,902	1,765	1,655	1.94	150,612	6,698.8	156.4	7.3	2.6	2.5	224.8
1966	112,008	5,281	1,988	1,671	1.84	161,197	7,035.3	159.2	7.5	2.8	2.4	229.1
1967	115,942	5,429	2,098	1,743	1.83	168,142	7,482.0	155.0	7.3	2.8	2.3	224.7
1968	119,628	5,318	2,012	1,705	1.85	173,901	7,887.1	151.9	6.7	2.6	2.2	220.5
1969	124,983	5,425	2,113	1,696	1.80	180,829	8,254.2	151.4	6.6	2.6	2.1	219.1
1970	124,200	5,080	1,990	1,540	1.77	178,501	8,497.3	146.2	6.0	2.3	1.8	210.1
1971	132,898	5,573	2,257	1,736	1.77	192,599	9,022.1	147.3	6.2	2.5	1.9	213.5
1972	150,508	6,221	2,508	1,799	1.72	215,705	9,481.4	158.7	6.6	2.6	1.9	227.5
1973	155,176	6,706	2,536	2,040	1.80	223,777	10,158.4	152.8	6.6	2.5	2.0	220.3
1974	160,942	6,290	2,529	1,854	1.73	229,641	11,002.0	148.3	5.7	2.3	1.7	208.7
1975	154,874	6,061	2,480	1,770	1.71	220,941	11,442.6	135.3	5.3	2.2	1.5	193.1
1976	142,271	5,307	2,205	1,574	1.71	199,735	11,786.3	120.7	4.5	1.9	1.3	169.5
1977	150,138	5,253	2,238	1,527	1.68	214,630	12,547.2	119.7	4.2	1.8	1.2	171.1
1978	166,051	5,429	2,366	1,508	1.64	239,640	12,975.4	128.0	4.2	1.8	1.2	184.7
1979	178,832	5,863	2,663	1,653	1.62	256,225	13,338.7	134.1	4.4	2.0	1.2	192.1
1980	184,302	5,461	2,454	1,572	1.64	262,977	13,717.2	134.4	4.0	1.8	1.1	191.7
1981	183,643	5,383	2,377	1,500	1.63	261,176	13,851.5	132.6	3.9	1.7	1.1	188.6
1982	180,376	4,169	1,837	1,090	1.59	225,717	14,310.7	112.1	2.9	1.3	0.8	157.7
1983	160,823	4,216	1,879	1,025	1.55	224,297	14,620.6	109.9	2.9	1.3	0.7	153.4
1984	167,716	4,120	1,876	1,004	1.54	237,455	14,406.5	116.4	2.9	1.3	0.7	164.8
1985	183,423	4,364	2,005	1,122	1.56	259,189	14,818.6	123.8	2.9	1.4	0.8	174.9
1986	186,992	4,068	1,875	1,098	1.59	264,481	15,227.3	122.8	2.7	1.2	0.7	173.7
1987	196,806	4,286	1,948	1,111	1.57	280,575	15,864.4	124.1	2.7	1.2	0.7	176.9
1988	193,805	4,153	2,012	1,080	1.54	278,618	16,336.3	118.5	2.5	1.2	0.7	170.6
1989	182,428	4,250	2,109	1,180	1.56	284,937	16,719.6	115.1	2.5	1.3	0.7	170.4
1990	182,294	3,957	1,879	1,078	1.57	263,139	16,961.1	107.4	2.3	1.1	0.6	155.0

Average annual growth rates (%)

1941-1951	-	2.7	4.7	1.3	-1.9	5.9	6.2	-	-3.3	-1.4	-4.8	-0.3
1951-1961	5.4	3.6	10.0	7.3	-1.3	8.1	6.7	-1.3	-3.0	3.0	0.5	-0.6
1961-1971	6.5	5.0	6.0	4.4	-0.7	8.9	5.0	1.4	-0.1	0.9	-0.8	1.7
1971-1981	3.3	-0.3	0.5	-1.5	-0.8	3.1	4.4	-1.0	-4.5	-3.7	-5.8	-1.2
1981-1990	-0.1	-3.4	-2.6	-3.6	-0.4	0.1	2.3	-2.3	-5.5	-4.8	-5.8	-2.2

Sources:

Killed and Injured: 1921-1975: Statistics Canada, *Historical Statistics of Canada*, 2nd ed., ed. F.H. Leacy (Ottawa: Supply and Services, 1983), Series T271-T273 and T278; 1976-1990: Transport Canada, *Canadian Motor Vehicle Traffic Accident Statistics*, TP3322.
 Casualty Accidents: 1945-1952: D.B.S., *The Motor Vehicle*; 1953-1968: D.B.S., *Motor Vehicle Traffic Accidents*; 1969-1990: Transport Canada, *Canadian Motor Vehicle Traffic Accident Statistics*, TP3322. Figures in bold are estimated.
 Vehicle Registrations: 1921-1975: Statistics Canada, *Historical Statistics of Canada*, 2nd ed., ed. F.H. Leacy (Ottawa: Supply and Services, 1983), Series T147; 1976-1990: Statistics Canada, *Road Motor Vehicles Registrations*, Catalogue no. 53-219, various issues.

Casualty Rates from Motor Vehicle Traffic Accidents, by Province, 1988-1990

	Fatality rates per 10,000 reg. vehicles			Fatality rates relative to the national average		
	1988	1989	1990	1988	1989	1990
Newfoundland	1.7	2.7	2.3	68.0	108.0	100.0
P.E.I.	2.5	2.1	3.3	100.0	84.0	143.5
Nova Scotia	2.9	2.1	2.4	116.0	84.0	104.3
New Brunswick	3.8	3.4	3.4	152.0	136.0	147.8
Quebec	3.1	3.2	3.0	124.0	128.0	130.4
Ontario	2.1	2.1	1.9	84.0	84.0	82.6
Manitoba	1.8	1.7	1.5	72.0	68.0	65.2
Saskatchewan	2.8	2.7	2.2	112.0	108.0	95.7
Alberta	2.6	2.7	2.2	104.0	108.0	95.7
British Columbia	2.6	2.4	2.6	104.0	96.0	113.0
Yukon	5.3	3.0	2.6	212.0	120.0	113.0
N.W.T.	1.8	4.2	1.5	72.0	168.0	65.2
Canada	2.5	2.5	2.3	100.0	100.0	100.0

	Injury rates per 10,000 reg. vehicles			Injury rates relative to the national average		
	1988	1989	1990	1988	1989	1990
Newfoundland	97.4	95.3	102.5	58.1	56.7	66.2
P.E.I.	115.7	119.6	128.2	69.0	71.1	82.8
Nova Scotia	105.2	108.8	90.4	62.7	64.7	58.4
New Brunswick	165.8	167.1	161.2	98.9	99.3	104.1
Quebec	171.3	161.5	148.5	102.1	96.0	95.9
Ontario	195.1	199.5	168.8	116.3	118.6	109.0
Manitoba	151.9	150.3	167.0	90.6	89.4	107.8
Saskatchewan	122.2	115.5	109.4	72.9	68.7	70.6
Alberta	105.3	108.5	99.1	62.8	64.5	64.0
British Columbia	187.9	196.1	202.3	112.0	116.6	130.6
Yukon	170.7	94.8	108.6	101.8	56.4	70.1
N.W.T.	126.4	106.5	277.7	75.4	63.3	179.3
Canada	167.7	168.2	154.9	100.0	100.0	100.0

Source: Transport Canada, *Canadian Motor Vehicle Traffic Accident Statistics*, TP3322, issue years 1988-1990.

Revenues of 'Intercity' Passenger Ferries, 1980-1988

(\$'000s)

	Passenger revenues	Passenger vehicle revenues	Commercial vehicle/ freight revenues	Total vehicle/ freight revenues	Water transport subsidies	Other revenues	Total revenues
I. Atlantic region ferries (e.g. Marine Atlantic)							
1980	10,817	8,143	9,190	17,333	130,189	8,741	167,080
1981	12,218	9,690	7,807	17,496	140,176	9,203	179,093
1982	12,335	9,650	10,442	20,092	149,489	9,592	191,508
1983	10,613	11,105	13,633	24,738	161,325	14,039	210,716
1984	10,773	11,449	15,248	26,697	171,883	12,961	222,314
1985	13,212	13,108	15,672	28,780	151,920	21,610	215,522
1986	21,282	14,472	15,446	29,918	133,968	14,210	199,379
1987	16,738	15,417	20,699	36,116	125,926	38,488	217,267
1988	17,776	16,750	22,278	39,028	130,963	39,236	227,003
II. Central region ferries* (e.g. Société des Traversiers)							
1980	2,601	3,051	201	3,252	3,225	670	9,748
1981	2,809	2,693	295	2,987	4,115	769	10,681
1982	3,183	3,424	411	3,834	2,791	1,025	10,834
1983	3,251	3,511	263	3,774	3,156	1,136	11,316
1984	3,814	3,292	247	3,539	2,216	898	10,467
1985	4,421	4,579	528	5,107	3,692	1,432	14,653
1986	4,488	4,649	761	5,410	2,766	1,413	14,077
1987	4,551	5,037	575	5,611	4,829	1,617	16,608
1988	6,242	3,687	406	4,093	4,248	1,915	16,498
III. Pacific region ferries (e.g. B.C. Ferry Corp.)							
1980	25,984	35,932	13,028	48,959	53,106	30,449	158,499
1981	38,113	37,855	14,806	52,661	58,891	30,905	180,570
1982	36,288	42,415	13,364	55,779	43,000	26,718	161,786
1983	39,783	45,468	14,742	60,210	43,000	28,604	171,597
1984	41,745	48,492	15,685	64,177	43,000	27,770	176,691
1985	42,848	53,593	17,280	70,873	40,000	29,263	182,984
1986	52,390	65,358	18,938	84,296	57,000	37,637	231,323
1987	53,245	68,445	23,171	91,616	57,000	40,312	242,173
1988	56,129	76,299	26,650	102,949	51,000	47,076	257,154
IV. All "intercity" ferry services							
1980	39,401	47,126	22,419	69,545	186,520	39,861	335,327
1981	53,141	50,237	22,907	73,145	203,181	40,877	370,344
1982	51,806	55,489	24,217	79,706	195,280	37,336	364,128
1983	53,647	60,083	28,639	88,722	207,482	43,779	393,629
1984	56,332	63,233	31,179	94,412	217,099	41,629	409,472
1985	60,481	71,280	33,480	104,760	195,612	52,305	413,159
1986	78,161	84,479	35,145	119,624	193,734	53,260	444,780
1987	74,534	88,899	44,444	133,343	187,755	80,416	476,048
1988	80,147	96,736	49,334	146,070	186,211	88,227	500,655

Source: Unpublished data from Statistics Canada. Data on the Société des Traversiers (STQ), however, were taken from its annual reports for 1980-1988.

*refers to ferries operating in the St. Lawrence River and in Ontario.

Note: Data refer to all ferry operations offering passenger services to the public, and which earned over \$250,000 as of the 1988 survey year. Excluded are all harbour ferries and other short-length intra-city services, where possible. Consequently, for instance, only the STQ's services between Matane and Baie-Comeau and Godbout were included; all other operations such as Québec-Lévis were excluded. All B.C. Ferry and Marine Atlantic services were included.

Passengers and Vehicles Transported on "Intercity" Ferries, 1980-1988

('000s of passengers or vehicles)

	Ferry passengers	Ferry passenger vehicles	Ferry commercial vehicles	Total vehicles carried
I. Atlantic region ferries (e.g. Marine Atlantic)				
1980	2,947	896	310	1,206
1981	2,551	955	313	1,267
1982	2,734	844	270	1,114
1983	2,891	939	277	1,216
1984	2,902	950	275	1,226
1985	2,971	979	263	1,242
1986	3,056	1,024	260	1,283
1987	3,156	1,050	288	1,339
1988	3,257	1,103	305	1,408
II. Central region ferries* (e.g. Société des Traversiers)				
1980	497	212	6	218
1981	598	168	11	179
1982	514	175	13	188
1983	487	160	9	170
1984	557	146	9	155
1985	721	209	14	222
1986	671	212	16	229
1987	684	217	28	245
1988	701	169	17	187
III. Pacific region ferries (e.g. B.C. Ferry Corp.)				
1980	12,513	4,431	268	4,698
1981	13,209	4,475	253	4,728
1982	12,574	4,264	212	4,476
1983	12,711	4,280	217	4,498
1984	12,201	4,253	221	4,474
1985	13,759	4,832	226	5,058
1986	17,997	6,106	256	6,362
1987	17,286	6,218	302	6,520
1988	18,212	6,588	327	6,915
IV. All "intercity" ferry services				
1980	15,957	5,539	583	6,122
1981	16,358	5,598	577	6,175
1982	15,822	5,284	494	5,778
1983	16,089	5,379	504	5,883
1984	15,660	5,349	506	5,855
1985	17,451	6,020	503	6,523
1986	21,724	7,342	532	7,874
1987	21,126	7,486	618	8,103
1988	22,170	7,860	649	8,509

Source: Unpublished data from Statistics Canada. Data on the Société des Traversiers (STQ), however, were taken from its annual reports for 1980-1988.

*refers to ferries operating in the St. Lawrence River and in Ontario.

Note: Data refer to all ferry operations offering passenger services to the public, and which earned over \$250,000 as of the 1988 survey year. Excluded are all harbour ferries and other short-length intra-city services, where possible. Consequently, for instance, only the STQ's services between Matane and Baie-Comeau and Godbout were included; all other operations such as Québec-Lévis were excluded. All B.C. Ferry and Marine Atlantic services were included.

"Intercity" Ferry Passenger—Kilometres, 1988

(number of passengers and vehicles and thousands of passenger—miles or km)

Routes	Firm	Passengers	Vehicles	Commercial vehicles	Route length (km)	Route length (nautical miles)	Passenger—kilometres ('000s)	Passenger—miles ('000s)
Atlantic region ferries								
Wood Islands—Caribou	North Ind Ferries	551,555	162,987	60,968	22.5	12.2	12,427	6,706
Borden—Cape Tormentine	Marine Atlantic	1,777,292	660,219	141,407	16.7	9.0	29,643	15,996
Digby—Saint John	Marine Atlantic	229,073	65,247	25,741	81.5	44.0	18,679	10,079
Yarmouth—Bar Harbor	Marine Atlantic	124,012	37,510	4,135	183.5	99.0	22,777	12,277
Sydney—Port—Aux—Basques	Marine Atlantic	356,829	n/a	n/a	183.5	99.0	65,466	35,326
Gulf—Argentina	Marine Atlantic	21,146	n/a	n/a	500.4	270.0	10,581	5,709
Gulf—Argentina	Marine Atlantic	377,975	114,960	62,798	275.0	148.4	76,046	41,035
Black's Harbour—North Head	Marine Atlantic	109,529	41,551	6,406	38.9	21.0	4,263	2,300
Nfld. Coastal Service	Marine Atlantic	34,106	2,042	n/a	64.9	35.0	2,212	1,194
Souris—Magdalen Islands	C.T.M.A.	53,696	18,521	3,391	135.0	72.8	7,249	3,912
Subtotal		3,257,238	1,103,037	304,846	53.2	28.7	173,270	93,499
Central region ferries								
Tobermory—South Baymouth	O.N.T.C.	244,875	69,874	15,759	63.0	34.0	15,429	8,326
Matane—Godbout—Baie—Comeau	S.T.O.	231,768	84,214	n/a	58.7	31.7	13,605	7,341
Rivière du Loup—St. Siméon	RDL—SS Ltée	185,500	n/a	n/a	27.8	15.0	5,156	2,783
Trois—Pistoles—Les Escourmins	TP—LE Ltée	38,812	15,273	1,387	22.0	11.9	854	461
Subtotal		700,955	169,361	17,146	50.0	27.0	35,044	18,910
Pacific region ferries								
B.C. Coastal Services	B.C. Ferry Corp.	17,919,144	6,558,068	326,716	34.0	18.3	608,623	328,420
Victoria—Seattle	B.C. Stena Lines	292,634	29,784	45	125.0	67.5	36,579	19,739
Subtotal		18,211,778	6,587,852	326,761	35.4	19.1	645,202	348,159
Grand total		22,169,971	7,860,250	648,753	38.5	20.8	853,517	460,568

Source: Unpublished statistics from Statistics Canada, carrier annual reports, and RCNPT staff calculations.

Notes: 1) Route lengths are only approximate; 2) Nautical miles converted to kilometres by the factor 1.853184.

O.N.T.C.: Ontario Northland Transportation Commission.

S.T.O.: Société des Traversiers du Québec.

B.C. Ferry Operations by Route, 1989-1990

Route No.	Route	Passengers	Vehicles	Commercial vehicles	Route length (nautical miles)	Route length (km)	Passenger-miles ('000s)	Passenger-kilometres
1	Swartz Bay-Tsawwassen	5,877,637	1,964,375	94,816	24.0	44.5	141,063	261,416
2	Nanaimo-Horseshoe Bay	4,292,183	1,684,853	99,617	30.0	55.6	128,765	238,626
3	Horseshoe Bay-Langdale	2,216,192	998,724	41,428	9.7	18.0	21,497	39,838
4	Swartz Bay-Salt Spring Is.	635,788	303,424	8,670	5.0	9.3	3,179	5,891
5	Swartz Bay-Outer Gulf Is.*	358,168	174,771	4,346	14.0	25.9	5,014	9,293
6	Crofton-Salt Spring Is.	251,204	116,063	4,016	2.8	5.2	703	1,303
7	Earls Cove-Saltery	364,226	169,590	9,106	9.5	17.6	3,460	6,412
8	Horseshoe Bay-Bowen Is.	765,310	319,592	6,554	3.0	5.6	2,296	4,255
9	Tsawwassen-Gulf Is.*	597,776	195,253	2,430	11.0	20.4	6,576	12,186
10	Port Hardy-Pr. Rupert	73,671	18,759	198	274.0	507.8	20,186	37,408
11	Prince Rupert-Queen Charlotte	43,685	16,584	2,929	93.0	172.3	4,063	7,529
12	Brentwood-Noll Bay	133,913	61,553	15	3.0	5.6	402	744
13	Langdale-Gambier-Keats	39,677	-	-	2.0	3.7	79	147
17	Comox-Powell River	282,749	105,395	3,373	17.0	31.5	4,807	8,908
18	Powell River-Texada	191,246	88,484	1,860	5.1	9.5	975	1,808
19	Nanaimo-Gabriola	755,304	326,360	7,062	3.7	6.9	2,795	5,179
20	Chemainus-Kuper-Thetis*	222,949	63,064	1,037	1.0	1.9	223	413
21	Buckley Bay-Denman	467,054	215,856	4,938	1.2	2.2	560	1,039
22	Denman-Hornby	244,267	106,572	2,619	1.2	2.2	293	543
23	Campbell River-Quadra	879,582	366,930	11,204	1.8	3.3	1,583	2,934
24	Quadra-Cortes*	82,883	40,181	1,069	6.2	11.5	514	952
25	Port McNeil-Alert Bay-Sointula	287,928	82,318	2,760	9.8	18.1	2,807	5,202
26	Skidegate-Alliford Bay	165,200	80,512	2,822	3.5	6.5	578	1,072
30	Tsawwassen-Nanaimo	-	-	-	37.0	68.6	0	-
Total		19,228,592	7,499,213	312,869	18.3	34.0	352,420	653,098

* denotes that route length has been divided in half.

Source: Unpublished data from B.C. Ferry Corporation.

Domestic Intercity Travel in Canada, 1930–1990

(millions of passenger-kilometres)

	Car		Light trucks/ vans	Sched./ charter air	Intercity rail	Intercity bus	Total intercity travel	Share of total intercity travel					
	Total	Auto.						Total *car*	Auto.	Light trucks/ vans	Sched./ charter air	Intercity rail	Intercity bus
1930	12,347	11,611	736	7	3,548	351	16,253	76.0%	71.4%	4.5%	(0.0%)	21.8%	2.2%
1931	12,315	11,575	740	6	2,560	310	15,191	81.1%	76.2%	4.9%	(0.0%)	16.9%	2.0%
1932	12,214	11,475	739	4	2,103	297	14,618	83.6%	78.5%	5.1%	(0.0%)	14.4%	2.0%
1933	11,246	10,560	686	5	2,040	381	13,682	82.2%	77.2%	5.0%	(0.0%)	14.9%	2.9%
1934	12,739	11,956	782	9	2,242	324	15,313	83.2%	78.1%	5.1%	0.1%	14.8%	2.1%
1935	13,328	12,504	824	11	2,321	364	16,024	83.2%	78.0%	5.1%	0.1%	14.5%	2.3%
1936	14,090	13,211	878	12	2,528	445	17,074	82.5%	77.4%	5.1%	0.1%	14.8%	2.6%
1937	15,841	14,844	997	17	2,825	472	19,156	82.7%	77.5%	5.2%	0.1%	14.7%	2.5%
1938	16,528	15,476	1,052	14	2,611	405	19,557	84.5%	79.1%	5.4%	0.1%	13.4%	2.1%
1939	17,206	16,094	1,112	33	2,566	580	20,386	84.4%	78.9%	5.5%	0.2%	12.6%	2.8%
1940	18,121	16,943	1,177	59	3,188	728	22,097	82.0%	76.7%	5.3%	0.3%	14.4%	3.3%
1941	19,256	18,002	1,255	80	4,695	963	24,895	77.3%	72.3%	5.0%	0.3%	18.9%	3.5%
1942	15,298	14,249	1,048	104	7,308	1,013	23,722	64.5%	60.1%	4.4%	0.4%	30.8%	4.3%
1943	12,543	11,501	1,043	148	9,556	971	23,218	54.0%	49.5%	4.5%	0.6%	41.2%	4.2%
1944	13,573	12,459	1,114	161	10,066	1,050	24,850	54.6%	50.1%	4.5%	0.6%	40.5%	4.2%
1945	16,078	14,852	1,227	186	9,344	1,275	26,883	59.8%	55.2%	4.6%	0.7%	34.8%	4.7%
1946	25,136	23,432	1,704	257	8,808	1,842	34,043	73.8%	68.8%	5.0%	0.8%	20.0%	5.4%
1947	27,552	25,498	2,054	296	5,467	2,084	35,398	77.8%	72.0%	5.8%	0.8%	15.4%	5.9%
1948	27,335	25,198	2,147	418	5,092	2,525	35,370	77.3%	71.2%	6.1%	1.2%	14.4%	7.1%
1949	30,274	27,923	2,351	514	5,731	2,633	39,152	77.3%	71.3%	6.0%	1.3%	14.6%	6.7%
1950	32,455	29,692	2,763	615	4,124	2,474	39,668	81.6%	74.9%	7.0%	1.6%	10.4%	6.2%
1951	35,550	32,583	2,968	740	4,555	2,491	43,335	82.0%	75.2%	6.8%	1.7%	10.5%	5.7%
1952	38,986	35,716	3,270	895	4,615	2,510	47,005	82.9%	76.0%	7.0%	1.9%	9.8%	5.3%
1953	43,169	39,540	3,629	1,039	4,373	2,548	51,131	84.4%	77.3%	7.1%	2.0%	8.6%	5.0%
1954	45,525	41,752	3,773	1,163	4,193	2,343	53,225	85.5%	78.4%	7.1%	2.2%	7.9%	4.4%
1955	50,205	46,122	4,084	1,309	4,235	2,357	58,106	86.4%	79.4%	7.0%	2.3%	7.3%	4.1%
1956	54,433	49,968	4,466	1,562	4,259	2,333	62,587	87.0%	79.8%	7.1%	2.5%	6.8%	3.7%
1957	57,389	52,938	4,451	1,765	4,284	2,153	65,591	87.5%	80.7%	6.8%	2.7%	6.5%	3.3%
1958	60,339	55,666	4,673	2,002	3,641	2,232	68,214	86.2%	81.6%	6.9%	2.9%	5.3%	3.3%
1959	63,200	58,208	4,992	2,371	3,582	2,343	71,497	88.4%	81.4%	7.0%	3.3%	5.0%	3.3%
1960	66,313	61,039	5,274	2,700	3,316	2,407	74,735	88.7%	81.7%	7.1%	3.6%	4.4%	3.2%
1961	68,499	63,068	5,431	3,208	2,871	2,446	77,025	88.9%	81.9%	7.1%	4.2%	3.7%	3.2%
1962	71,599	65,904	5,695	3,419	2,957	2,589	80,563	88.9%	81.8%	7.1%	4.2%	3.7%	3.2%
1963	74,486	67,774	6,712	3,442	3,031	2,668	83,626	89.1%	81.0%	8.0%	4.1%	3.6%	3.2%
1964	79,901	72,816	7,285	3,665	3,927	2,721	90,214	88.6%	80.5%	8.1%	4.1%	4.4%	3.0%
1965	86,402	78,401	8,001	4,340	3,902	2,687	97,331	88.8%	80.6%	8.2%	4.5%	4.0%	2.8%
1966	93,718	86,961	6,757	5,079	3,789	3,246	105,833	88.6%	82.2%	8.4%	4.8%	3.6%	3.1%
1967	98,076	91,117	6,959	6,315	4,592	3,780	112,763	87.0%	80.8%	8.2%	5.6%	4.1%	3.4%
1968	102,002	94,452	7,550	6,464	3,740	3,436	115,643	88.2%	81.7%	6.5%	5.6%	3.2%	3.0%
1969	105,469	97,327	8,142	7,285	3,421	3,474	119,548	88.1%	81.3%	6.8%	6.1%	2.9%	2.9%
1970	109,361	100,458	8,903	8,838	3,328	3,401	124,925	87.5%	80.4%	7.1%	7.1%	2.7%	2.7%
1971	114,267	104,457	9,820	8,540	3,188	3,407	129,402	88.3%	80.7%	7.6%	6.6%	2.5%	2.6%
1972	119,509	108,541	10,968	9,876	2,981	3,413	135,760	88.0%	80.0%	8.1%	7.3%	2.2%	2.5%
1973	126,961	114,235	12,727	12,372	2,280	3,419	145,033	87.5%	78.8%	8.8%	8.5%	1.6%	2.4%
1974	131,212	117,199	14,013	13,860	2,654	3,426	151,151	86.8%	77.5%	9.3%	9.2%	1.8%	2.3%
1975	134,286	119,057	15,229	14,320	2,523	3,523	154,651	86.8%	77.0%	9.8%	9.3%	1.6%	2.3%
1976	135,492	119,059	16,433	14,500	2,520	3,638	156,149	86.8%	76.2%	10.5%	9.3%	1.6%	2.3%
1977	138,681	120,717	17,970	14,992	2,542	3,983	160,198	86.6%	75.4%	11.2%	9.4%	1.6%	2.5%
1978	142,720	122,971	19,749	16,273	2,637	3,831	165,460	86.3%	74.3%	11.9%	9.8%	1.6%	2.3%
1979	147,356	125,652	21,704	19,143	2,749	3,817	173,066	85.1%	72.6%	12.5%	11.1%	1.6%	2.2%
1980	156,716	133,663	23,053	20,927	2,881	4,096	184,623	84.9%	72.4%	12.5%	11.3%	1.6%	2.2%
1981	154,676	131,898	22,778	21,067	2,844	3,744	182,331	84.8%	72.3%	12.5%	11.6%	1.6%	2.1%
1982	145,660	124,179	21,481	18,891	2,267	4,014	170,832	85.3%	72.7%	12.6%	11.1%	1.3%	2.3%
1983	142,164	120,456	21,709	18,208	2,545	3,952	166,870	85.2%	72.2%	13.0%	10.9%	1.5%	2.4%
1984	144,225	120,934	23,291	19,403	2,515	3,719	169,863	84.9%	71.2%	13.7%	11.4%	1.5%	2.2%
1985	146,881	122,910	23,971	20,048	2,622	3,539	173,091	84.9%	71.0%	13.8%	11.6%	1.5%	2.0%
1986	146,911	122,730	24,181	21,821	2,390	3,578	174,700	84.1%	70.3%	13.8%	12.5%	1.4%	2.0%
1987	152,544	126,908	25,635	22,098	2,236	3,562	180,439	84.5%	70.3%	14.2%	12.2%	1.2%	2.0%
1988	162,398	135,040	27,358	24,597	2,418	3,281	192,895	84.3%	70.1%	14.2%	12.8%	1.3%	1.7%
1989	167,058	138,913	28,144	24,749	2,566	3,269	197,642	84.5%	70.3%	14.2%	12.5%	1.3%	1.7%
1990	166,577	138,468	28,110	24,964	1,391	3,200	196,133	84.9%	70.6%	14.3%	12.7%	0.7%	1.6%

Average annual growth rates (%)

1941–1990	4.5	4.3	6.6	12.4	–2.5	2.7	4.3	0.2	–0.0	2.2	7.8	–6.5	–1.5
1960–1990	3.1	2.8	5.7	7.7	–2.9	1.0	3.3	–0.1	–0.5	2.4	4.3	–5.9	–2.2
1980–1990	0.6	0.4	2.0	1.8	–7.0	–2.4	0.6	0.0	–0.3	1.4	1.2	–7.6	–3.0

Sources: See Tables C-1.2, C-2.2, C-3.1, C-4.6, and C-4.8 for a list of sources and accompanying notes.

Notes: Domestic air charter activity is estimated from 1946 to 1963 by multiplying an index of average distance flown on unit toll services with total domestic charter passengers and then re-basing to the average charter distance flown for 1964.

Intercity rail passenger-kilometres have been estimated for 1930–1969 by reducing total passenger-km by 9%, the share of commuter passenger-km in the early 1970s.

Intercity bus travel is estimated from 1930–1940 based on data from G. Campbell, *An Analysis of Highway Finance and Road User Imposts in Canada*, Ph.D. thesis, Purdue University, June 1958, p. 258.

Domestic Intercity Travel per Capita in Canada, 1930-1990

(passenger-kilometres per person)

	"Car"		Light trucks/ vans	Sched./ charter air	Intercity rail	Intercity bus	Total intercity travel	Popul. ('000s)
	Total	Auto.						
1930	1,209.5	1,137.4	72.1	0.7	347.6	34.4	1,592.2	10,208.0
1931	1,186.8	1,115.5	71.3	0.5	246.7	29.9	1,463.9	10,376.7
1932	1,162.1	1,091.8	70.3	0.4	200.1	28.2	1,390.9	10,510.0
1933	1,057.6	993.1	64.5	0.5	191.9	36.8	1,286.8	10,633.0
1934	1,186.0	1,113.2	72.8	0.8	208.7	30.1	1,425.7	10,741.0
1935	1,229.0	1,153.0	76.0	1.0	214.0	33.6	1,477.6	10,845.0
1936	1,286.7	1,206.5	80.2	1.1	230.8	40.7	1,559.3	10,950.0
1937	1,434.2	1,344.0	90.2	1.6	255.8	42.7	1,734.3	11,045.0
1938	1,482.0	1,387.7	94.3	1.2	234.1	36.3	1,753.7	11,152.0
1939	1,527.2	1,428.4	98.7	3.0	227.7	51.5	1,809.3	11,267.0
1940	1,592.2	1,488.7	103.5	5.2	280.1	64.0	1,941.5	11,381.0
1941	1,673.5	1,564.4	109.1	7.0	408.0	75.0	2,163.5	11,506.7
1942	1,312.7	1,222.7	90.0	8.9	626.9	86.9	2,035.5	11,654.0
1943	1,063.4	975.1	88.4	12.5	810.2	82.3	1,968.4	11,795.0
1944	1,136.2	1,043.0	93.2	13.5	842.6	87.9	2,080.2	11,946.0
1945	1,331.9	1,230.3	101.6	15.4	774.0	105.6	2,226.9	12,072.0
1946	2,044.9	1,906.3	138.6	20.9	553.9	149.9	2,769.6	12,292.0
1947	2,195.2	2,031.5	163.7	23.6	435.6	166.0	2,820.4	12,551.0
1948	2,131.7	1,964.3	167.5	32.6	397.1	196.9	2,758.4	12,823.0
1949	2,251.4	2,076.6	174.8	38.2	426.2	195.8	2,911.6	13,447.0
1950	2,366.9	2,165.4	201.5	44.9	300.8	180.4	2,892.9	13,712.0
1951	2,537.6	2,325.8	211.7	52.8	325.1	177.8	3,093.3	14,009.4
1952	2,696.3	2,470.1	226.2	61.9	319.2	173.6	3,250.9	14,459.0
1953	2,908.0	2,663.5	244.5	70.0	294.6	171.7	3,444.3	14,845.0
1954	2,978.0	2,731.2	246.8	76.1	274.3	153.3	3,481.7	15,287.0
1955	3,198.2	2,938.1	260.1	83.4	269.8	150.1	3,701.5	15,698.0
1956	3,385.0	3,107.3	277.7	97.1	264.8	145.1	3,892.0	16,080.8
1957	3,455.1	3,187.1	268.0	106.3	257.9	129.6	3,948.9	16,610.0
1958	3,532.7	3,259.1	273.6	117.2	213.2	130.7	3,993.8	17,080.0
1959	3,615.0	3,329.4	285.5	135.6	204.9	134.0	4,089.5	17,483.0
1960	3,710.8	3,415.7	295.1	151.1	185.5	134.7	4,182.2	17,870.0
1961	3,755.8	3,458.0	297.8	175.9	157.4	134.1	4,223.2	18,238.3
1962	3,852.9	3,546.5	306.4	184.0	159.1	139.3	4,335.3	18,583.0
1963	3,934.6	3,580.1	354.5	181.8	160.1	140.9	4,417.4	18,931.0
1964	4,141.9	3,764.3	377.6	190.0	203.5	141.0	4,676.5	19,291.0
1965	4,398.4	3,991.1	407.3	220.9	198.6	136.8	4,954.7	19,644.0
1966	4,682.4	4,344.8	337.6	253.8	189.3	162.2	5,287.7	20,014.9
1967	4,812.8	4,471.3	341.5	309.9	225.3	185.5	5,533.5	20,378.0
1968	4,927.4	4,562.7	364.7	312.3	180.7	166.0	5,586.3	20,701.0
1969	5,022.1	4,634.4	387.7	346.9	162.9	165.4	5,697.2	21,001.0
1970	5,135.0	4,717.0	418.0	414.9	156.2	159.7	5,865.8	21,297.0
1971	5,297.9	4,842.6	455.3	396.0	147.8	158.0	5,999.6	21,568.3
1972	5,481.7	4,978.6	503.1	453.0	135.8	156.6	6,227.1	21,801.5
1973	5,759.8	5,182.4	577.4	561.3	103.4	155.1	6,579.6	22,042.8
1974	5,867.1	5,240.5	626.6	619.7	118.7	153.2	6,758.7	22,364.0
1975	5,916.4	5,245.5	671.0	630.9	111.1	155.2	6,813.7	22,697.1
1976	5,892.8	5,178.1	714.7	630.6	109.6	158.2	6,791.3	22,992.6
1977	5,958.9	5,186.8	772.2	644.2	109.2	171.1	6,883.5	23,272.8
1978	6,068.8	5,229.0	839.8	691.9	112.1	162.9	7,035.8	23,517.0
1979	6,205.2	5,291.2	914.0	806.1	115.8	160.8	7,287.8	23,747.3
1980	6,518.3	5,559.5	958.9	870.4	119.8	170.5	7,679.0	24,042.5
1981	6,354.4	5,418.6	935.7	865.5	116.8	153.8	7,490.5	24,341.7
1982	5,925.2	5,051.4	873.8	768.4	92.2	163.3	6,949.2	24,583.1
1983	5,735.4	4,859.6	875.8	734.6	102.7	159.4	6,732.1	24,787.2
1984	5,774.1	4,841.6	932.5	776.8	100.7	148.9	6,800.4	24,978.2
1985	5,836.6	4,884.1	952.5	796.7	104.2	140.6	6,878.1	25,165.4
1986	5,794.6	4,840.8	953.8	860.7	94.3	141.1	6,890.7	25,353.0
1987	5,954.7	4,954.0	1,000.7	862.6	87.3	139.0	7,043.6	25,617.3
1988	6,268.0	5,212.1	1,055.9	949.4	93.3	126.6	7,437.3	25,909.2
1989	6,366.4	5,293.9	1,072.6	943.2	97.8	124.6	7,532.0	26,240.3
1990	6,261.7	5,205.0	1,056.7	938.4	52.3	120.3	7,372.7	26,602.6

Average annual growth rates (%)

1941-1990	2.7	2.5	4.7	10.5	-4.1	1.0	2.5	1.7
1960-1990	1.8	1.4	4.3	6.3	-4.1	-0.4	1.9	1.3
1980-1990	-0.4	-0.7	1.0	0.8	-8.0	-3.4	-0.4	1.0

Sources: See Table C-6.1 for a list of sources and accompanying notes.

Income Account for Transportation Industries, 1988 and 1989

(millions of dollars)

	Air transport	Railway transport	Water transport	Truck trans- port	Urban transit/ other passenger transport	Storage and other services incidental to transport	Total transport industries	Total non- financial industries	Total all industries
1988									
Operating returns:									
Total operating revenues	5,264	2,939	2,847	14,791	1,741	3,014	30,596	999,654	1,111,744
Total operating expenses	4,948	2,565	2,577	13,451	1,593	2,788	27,922	928,864	1,028,408
Operating profit	316	374	270	1,340	148	226	2,674	70,790	85,336
Other revenues:									
Interest and dividends	75	272	24	38	25	17	451	10,420	10,420
Gains on sale of assets	64	61	10	9	1	1	146	1,457	1,903
Other gains/losses	5	55	16	4	1	—	81	-113	—
Total other revenues	144	388	50	51	27	18	678	11,764	12,323
Other expenses:									
Interest expenses on short-term debt	38	41	28	189	32	49	377	9,808	N/A
Interest expenses on long-term debt	188	115	131	172	29	52	687	17,323	N/A
Total other expenses	226	156	159	361	61	101	1,064	27,131	31,585
Profit before tax	234	606	161	1,030	114	143	2,288	55,423	66,074
Income tax	58	173	61	291	32	65	680	18,315	25,352
Equity in affiliates' earnings	8	11	2	4	—	7	32	1,837	2,076
Extraordinary gains	4	-31	-11	-5	—	2	-41	1,261	1,222
Net profit	188	413	91	738	82	87	1,599	40,206	44,020
Total assets	5,312	9,036	3,034	9,015	2,064	2,738	31,199	878,640	1,686,202
Accounts payable/other liabilities	1,346	2,324	806	2,453	485	1,052	8,466	231,911	839,157
Borrowing/loans with affiliates (debt)	2,559	1,721	2,235	3,525	612	1,206	11,858	336,390	446,190
Total liabilities	3,905	4,045	3,041	5,978	1,097	2,258	20,324	568,301	1,285,347
Equity/retained earnings	1,406	4,990	-6	3,040	967	479	10,876	310,358	400,879
Operating margin	6.0%	12.7%	9.5%	9.1%	8.5%	7.5%	8.7%	7.1%	7.7%
Net profit/total assets	3.5%	4.6%	3.0%	8.2%	4.0%	3.2%	5.1%	4.6%	2.6%
Net profit+interest expenses/assets	7.8%	6.3%	8.2%	12.2%	6.9%	6.9%	7.7%	7.7%	4.5%
Net profit/total equity	13.4%	8.3%	-1516.7%	24.3%	8.5%	18.2%	14.7%	13.0%	11.0%
Debt/equity ratio	1.8	0.3	-372.5	1.2	0.6	2.5	1.1	1.1	1.1

1989

Operating returns:									
Total operating revenues	7,579	2,697	2,995	13,824	1,677	3,291	32,063	1,027,259	1,157,907
Total operating expenses	7,304	2,543	2,744	12,626	1,556	3,033	29,806	961,948	1,078,622
Operating profit	275	154	251	1,198	121	258	2,257	65,311	79,285
Other revenues:									
Interest and dividends	106	310	30	45	103	16	610	10,302	10,302
Gains on sale of assets	282	138	-29	10	5	1	407	1,624	1,895
Other gains/losses	-47	70	4	-1	9	-5	30	-337	—
Total other revenues	341	518	5	54	117	12	1,047	11,589	12,197
Other expenses:									
Interest expenses on short-term debt	44	71	48	217	34	50	464	11,393	N/A
Interest expenses on long-term debt	243	152	122	178	58	83	816	19,607	N/A
Total other expenses	287	223	170	395	92	113	1,280	31,000	36,650
Profit before tax	329	449	86	857	146	157	2,024	45,900	54,832
Income tax	84	82	47	255	16	69	553	15,501	18,574
Equity in affiliates' earnings	4	41	-1	10	—	2	56	1,781	1,956
Extraordinary gains	-44	—	9	-8	—	3	-40	1,361	1,385
Net profit	205	408	47	604	130	93	1,487	33,541	39,599
Total assets	9,152	9,669	2,947	9,226	2,549	2,995	36,538	935,420	1,822,385
Accounts payable/other liabilities	2,395	2,284	927	2,107	572	1,127	9,392	238,949	913,838
Borrowing/loans with affiliates (debt)	4,197	2,232	2,171	3,620	1,283	1,330	14,833	385,002	480,006
Total liabilities	6,592	4,496	3,098	5,727	1,855	2,457	24,225	603,951	1,393,844
Equity/retained earnings	2,560	5,174	-151	3,500	693	533	12,309	331,497	428,578
Operating margin	3.6%	5.7%	8.4%	8.7%	7.2%	7.8%	7.0%	6.4%	6.8%
Net profit/total assets	2.2%	4.2%	1.6%	6.5%	5.1%	3.1%	4.1%	3.6%	2.2%
Net profit+interest expenses/assets	5.4%	6.5%	7.4%	10.8%	8.7%	6.9%	7.6%	6.9%	4.2%
Net profit/total equity	8.0%	7.9%	-31.1%	17.3%	18.8%	17.4%	12.1%	10.1%	9.2%
Debt/equity ratio	1.6	0.4	-14.4	1.0	1.9	2.5	1.2	1.1	1.1

Source: Statistics Canada, *Financial and Taxation Statistics for Enterprises 1989*, Catalogue no. 61-219P, April 1992.

Notes: The total for all industries excludes investment and holding companies; industry breakdowns are made according to the 1980 Standard Industrial Classification for Companies and Enterprises and differ from the more widely-used Standard Industrial Classification. The former method provides a better approach for analysing companies which engage in a number of diverse activities.

Financial Performance of Major Canadian Airlines, 1975-1990

(millions of dollars)

	Total operating revenues	Total operating expenses	Operating profit	Net income	Interest expenses	Total equity	Total assets	Operating profit margin	Net income/ assets	Net income + interest/ assets
Air Canada										
1975	957	918	39.3	-12.5	65.4	31	1,298	4.1%	-1.0%	4.1%
1976	1,057	1,018	39.8	-10.5	76.3	24	1,149	3.8%	-0.9%	5.7%
1977	1,188	1,099	89.1	20.0	63.4	44	1,244	7.5%	1.6%	6.7%
1978	1,323	1,238	84.5	47.5	48.0	415	1,333	6.4%	3.6%	7.2%
1979	1,595	1,494	100.8	55.4	46.1	457	1,538	6.3%	3.6%	6.6%
1980	1,906	1,816	89.9	57.0	44.6	501	1,729	4.7%	3.3%	5.9%
1981	2,161	2,088	73.5	40.1	55.2	528	1,877	3.4%	2.1%	5.1%
1982	2,171	2,197	-25.7	-32.6	65.2	482	2,038	-1.2%	-1.6%	1.6%
1983	2,145	2,116	28.5	3.8	78.6	486	2,184	1.3%	0.2%	3.8%
1984	2,335	2,291	43.3	27.0	102.1	513	2,507	1.9%	1.1%	5.1%
1985	2,520	2,518	2.1	-14.8	114.8	513	2,585	0.1%	-0.6%	3.9%
1986	2,636	2,507	129.1	40.4	126.4	553	2,902	4.9%	1.4%	5.7%
1987	2,684	2,576	108.2	45.7	122.2	599	2,884	4.0%	1.6%	5.8%
1988	2,849	2,706	143.1	95.5	103.5	929	3,166	5.0%	3.0%	6.3%
1989	3,082	2,972	109.5	150.7	104.4	1,061	3,747	3.6%	4.0%	6.8%
1990	3,238	3,279	-41.3	-73.6	145.2	988	4,150	-1.3%	-1.8%	1.7%

Other major and regional carriers and Wardair

1975	584	577	7.2	-7.2	26.8	81	573	1.2%	-1.3%	3.4%
1976	624	624	-0.1	-13.1	27.3	68	544	-0.0%	-2.4%	2.6%
1977	726	691	35.7	10.4	23.9	77	517	4.9%	2.0%	6.6%
1978	845	779	66.3	37.2	29.6	140	859	7.8%	4.3%	7.8%
1979	973	925	47.4	32.1	41.0	188	1,081	4.9%	3.0%	6.8%
1980	1,175	1,128	46.5	21.4	52.7	201	1,257	4.0%	1.7%	5.9%
1981	1,676	1,644	32.8	3.8	84.4	245	1,742	2.0%	0.2%	5.1%
1982	1,711	1,735	-23.5	-52.7	103.0	205	1,807	-1.4%	-2.9%	2.8%
1983	1,725	1,733	-8.2	-25.2	80.6	594	2,106	-0.5%	-1.2%	2.6%
1984	1,880	1,813	67.0	25.5	74.4	702	2,052	3.6%	1.2%	4.9%
1985	2,103	2,054	49.5	-5.3	80.3	691	2,215	2.4%	-0.2%	3.4%
1986	2,234	2,152	82.5	42.2	97.6	760	2,815	3.7%	1.5%	5.0%
1987	2,240	2,089	150.8	62.1	49.7	855	2,464	6.7%	2.5%	4.5%
1988	2,663	2,647	15.7	-17.9	113.9	647	3,060	0.6%	-0.6%	3.1%
1989	2,630	2,757	-126.4	-126.5	128.1	521	3,027	-4.8%	-4.2%	0.1%
1990	2,544	2,608	-64.3	-55.6	101.2	518	2,568	-2.5%	-2.2%	1.8%

Total "large" carriers

1975	1,541	1,494	46.5	-19.6	92.3	112	1,871	3.0%	-1.1%	3.9%
1976	1,682	1,642	39.7	-23.5	103.6	92	1,693	2.4%	-1.4%	4.7%
1977	1,914	1,789	124.9	30.4	87.3	121	1,760	6.5%	1.7%	6.7%
1978	2,168	2,017	150.8	84.7	77.6	556	2,193	7.0%	3.9%	7.4%
1979	2,568	2,420	148.3	87.5	87.1	645	2,618	5.8%	3.3%	6.7%
1980	3,081	2,944	136.4	78.5	97.3	702	2,986	4.4%	2.6%	5.9%
1981	3,838	3,732	106.3	43.9	139.6	773	3,619	2.8%	1.2%	5.1%
1982	3,882	3,931	-49.1	-85.3	168.2	687	3,845	-1.3%	-2.2%	2.2%
1983	3,870	3,850	20.3	-21.4	159.2	1,080	4,290	0.5%	-0.5%	3.2%
1984	4,215	4,105	110.2	52.5	176.6	1,215	4,559	2.6%	1.2%	5.0%
1985	4,624	4,572	51.6	-20.1	195.2	1,205	4,800	1.1%	-0.4%	3.6%
1986	4,870	4,659	211.6	82.6	224.0	1,314	5,716	4.3%	1.4%	5.4%
1987	4,924	4,665	259.0	107.9	171.9	1,454	5,349	5.3%	2.0%	5.2%
1988	5,512	5,353	158.9	77.6	217.4	1,576	6,226	2.9%	1.2%	4.7%
1989	5,712	5,729	-16.9	24.2	232.5	1,582	6,774	-0.3%	0.4%	3.8%
1990	5,782	5,888	-105.6	-129.2	246.4	1,505	6,718	-1.8%	-1.9%	1.7%

Source: Statistics Canada, *Air Carrier Financial Statements/Canadian Civil Aviation*, Catalogue no. 51-206, issue years 1975-1990.

Notes: The second panel contains data on CP Air (a Level I airline) and the large regional carriers (i.e. Level II) until 1981. From 1981 on, only the remaining carriers in Level I were counted. From 1987-1990, only Canadian Airlines and Wardair were counted. This means that Air BC and Québecair were dropped for 1987.

Operating Profit Margins are determined by dividing operating profit by total revenues.

Income Account for Level I-IV Air Carriers, 1990

(\$'000's)

	Level I	Level II	Levels I- II	Level IV	Levels I- IV
Operating revenues:					
Unit toll passenger	4,792,364	911,475	5,703,839	17,135	5,774,785
Charter passenger	208,249	551,737	759,986	259,818	1,197,721
Total passenger revenues	5,000,613	1,463,212	6,463,825	276,953	6,972,506
Unit toll freight	565,350	62,752	628,102	1,377	646,416
Charter freight	1,909	35,092	37,001	197,225	249,155
Total freight revenues	567,259	97,844	665,103	198,602	895,571
Other revenues	214,184	82,034	296,218	37,312	363,782
Total revenues	5,782,056	1,643,090	7,425,146	512,867	8,231,859
Pass. rev./total rev.	86.5%	89.1%	87.1%	54.0%	84.7%
Freight. rev./total rev.	9.8%	6.0%	9.0%	38.7%	10.9%
Operating expenses:					
1. Aircraft operations					
Salaries	418,647	111,619	530,266	n/a	n/a
Fuel and oil	1,037,274	309,975	1,347,249	n/a	n/a
Landing fees	143,581	50,878	194,439	n/a	n/a
Insurance	5,125	13,584	18,709	n/a	n/a
Aircraft rental	284,514	157,249	441,763	n/a	n/a
Other	26,702	53,194	79,896	n/a	n/a
Subtotal	1,915,823	696,499	2,612,322	210,054	2,984,219
2. Aircraft maintenance					
Wages	275,157	59,027	334,184	n/a	n/a
Materials	162,943	51,755	214,698	n/a	n/a
Other	148,888	154,010	302,898	n/a	n/a
Subtotal	586,988	264,792	851,780	108,769	1,017,867
3. In-flight service					
Wages	305,068	47,010	352,078	n/a	n/a
Food	321,859	54,973	376,832	n/a	n/a
Insurance	5,179	3,863	9,042	n/a	n/a
Other	97,174	12,980	110,154	n/a	n/a
Subtotal	729,280	118,826	848,106	n/a	n/a
4. Other maintenance					
	52,778	21,415	74,193	24,371	106,975
5. Administration					
	2,393,604	434,165	2,827,769	76,056	3,796,017
6. Depreciation					
	209,189	71,984	281,173	27,083	323,016
Total expenses	5,887,662	1,607,681	7,495,343	446,333	8,228,094
Total labour	1,763,443	n/a	n/a	126,250	2,253,442
Total fuel	1,045,395	n/a	n/a	62,227	1,485,430
Labour share of total expenses	30.0%	n/a	n/a	28.3%	27.4%
Fuel share of total expenses	17.8%	n/a	n/a	13.9%	18.1%
Operating profit:	-105,606	35,409	-70,197	66,534	3,765
Non-operating income:					
Capital gains	70,385	13,782	84,167	n/a	86,244
Interest income	84,991	9,067	94,058	n/a	94,932
Interest expenses	-246,408	-83,556	-329,964	n/a	-341,835
Other income/expenses	16,562	4,417	20,979	n/a	20,433
Subtotal	-74,470	-56,290	-130,760	-5,377	-145,603
Pre-tax income:	-180,076	-20,881	-200,957	61,157	-141,838
Income taxes	50,877	-6,211	44,666	-8,701	38,416
Net income:	-129,199	-27,092	-156,291	54,456	-103,422
Total assets	6,717,764	n/a	n/a	n/a	9,093,756
Total debt	5,212,428	n/a	n/a	n/a	7,159,892
Total equity	1,505,336	n/a	n/a	n/a	1,932,166
Balance year-end	-	n/a	n/a	n/a	1,698
Total liabilities and equity	6,717,764	n/a	n/a	n/a	9,093,756
Operating profit/total revenues	-1.8%	2.2%	-0.9%	13.0%	0.0%
(Net income + interest)/assets	1.7%	n/a	n/a	n/a	2.6%
Debt/equity ratio	3.5	n/a	n/a	n/a	3.7

Source: Statistics Canada, *Canadian Civil Aviation 1990*, Catalogue no. 51-206, November 1991, pp. 9-12, pp. 19-20, and pp. 22-25.

Income Account for Level I-IV Air Carriers, 1989

(\$'000's)

	Level I	Level II	Levels I-II	Level IV	Levels I-IV
Operating revenues:					
Unit toll passenger	4,602,860	680,809	5,283,469	42,009	5,407,153
Charter passenger	298,773	349,190	647,963	353,709	1,200,707
Total passenger revenues	4,901,633	1,029,799	5,931,432	395,718	6,607,860
Unit toll freight	537,982	41,822	579,804	1,479	603,318
Charter freight	11,022	31,392	42,414	177,366	240,460
Total freight revenues	549,004	73,214	622,218	178,875	843,778
Other revenues	261,395	48,744	310,139	43,164	385,919
Total revenues	5,712,032	1,151,757	6,863,789	617,757	7,837,557
Pass. rev./total rev.	85.8%	89.4%	86.4%	64.1%	84.3%
Freight rev./total rev.	9.6%	6.4%	9.1%	29.0%	10.8%
Operating expenses:					
1. Aircraft operations					
Salaries	389,173	85,850	475,023	n/a	n/a
Fuel and oil	928,879	209,878	1,138,757	83,689	1,291,830
Landing fees	150,942	31,520	182,462	n/a	n/a
Insurance	12,327	13,313	25,640	n/a	n/a
Aircraft rental	345,348	84,756	430,104	n/a	n/a
Other	58,159	28,353	86,512	n/a	n/a
Subtotal	1,884,828	453,670	2,338,498	295,540	2,815,304
2. Aircraft maintenance					
Wages	218,758	46,318	265,076	n/a	n/a
Materials	190,433	43,839	234,272	n/a	n/a
Other	192,800	100,912	293,712	n/a	n/a
Subtotal	601,991	191,069	793,060	129,754	988,333
3. In-flight service					
Wages	285,529	30,882	316,411	n/a	n/a
Food	303,617	39,783	343,400	n/a	n/a
Insurance	7,763	4,146	11,909	n/a	n/a
Other	88,917	12,340	99,257	n/a	n/a
Subtotal	683,826	87,151	770,977	n/a	n/a
4. Other maintenance					
Wages	59,745	17,371	77,116	23,523	108,575
5. Administration					
Wages	2,293,128	295,096	2,588,224	92,363	3,525,214
6. Depreciation					
Wages	205,439	49,448	254,887	31,214	303,668
Total expenses	5,728,957	1,093,805	6,822,762	572,394	7,741,094
Total labour	1,677,395	n/a	n/a	150,514	2,141,783
Total fuel	928,879	n/a	n/a	83,689	1,291,830
Labour share of total expenses	29.3%	n/a	n/a	26.3%	27.7%
Fuel share of total expenses	16.2%	n/a	n/a	14.6%	16.7%
Operating profit:	-16,925	57,952	41,027	45,363	96,463
Non-operating income:					
Capital gains	241,156	5,835	246,991	n/a	249,636
Interest income	82,498	3,872	86,370	n/a	87,269
Interest expenses	-232,511	-81,249	-313,760	n/a	-326,555
Other income/expenses	-66,733	6,580	-60,173	n/a	-60,501
Subtotal	24,410	-64,982	-40,572	-3,498	-53,649
Pre-tax income:	7,485	-7,030	455	41,865	42,814
Income taxes	-16,867	1,800	-15,067	13,045	-1,247
Net income:	24,152	-8,630	15,522	28,820	44,061
Total assets	6,773,730	n/a	n/a	n/a	8,870,284
Total debt	5,191,444	n/a	n/a	n/a	6,831,386
Total equity	1,582,286	n/a	n/a	n/a	2,037,295
Balance year-end	-	n/a	n/a	n/a	1,603
Total liabilities and equity	6,773,730	n/a	n/a	n/a	8,870,284
Operating profit/total revenues	-0.3%	5.0%	0.6%	7.3%	1.2%
(Net income + interest)/assets	3.8%	n/a	n/a	n/a	4.2%
Debt/equity ratio	3.3	n/a	n/a	n/a	3.4

Source: Statistics Canada, *Canadian Civil Aviation 1989*, Catalogue no. 51-206, February 1991, pp. 9-12, pp. 19-20, and pp. 22-25.

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Income Account for Level I-IV Air Carriers, 1988

(\$'000's)

	Level I	Level II	Levels I-II	Level IV	Levels I-IV
Operating revenues:					
Unit toll passenger	4,384,128	439,906	4,824,034	48,192	4,959,896
Charter passenger	396,235	266,751	662,986	312,791	1,078,773
Total passenger revenues	4,780,363	706,657	5,487,020	360,983	6,038,669
Unit toll freight	545,536	39,457	584,993	498	604,757
Charter freight	17,033	52,339	69,372	74,241	165,686
Total freight revenues	562,569	91,796	654,365	74,737	770,443
Other revenues	170,396	37,837	208,033	56,957	327,263
Total revenues	5,513,328	836,090	6,349,418	492,677	7,136,375
Pass. rev./total rev.	86.7%	84.5%	88.4%	73.3%	84.6%
Freight. rev./total rev.	10.2%	11.0%	10.3%	15.2%	10.8%
Operating expenses:					
1. Aircraft operations					
Salaries	352,383	63,194	415,577	n/a	n/a
Fuel and oil	917,534	169,466	1,087,000	62,603	1,200,783
Landing fees	145,305	24,723	170,028	n/a	n/a
Insurance	19,290	13,925	33,165	n/a	n/a
Aircraft rental	184,115	51,548	235,663	n/a	n/a
Other	72,313	14,725	87,038	n/a	n/a
Subtotal	1,690,910	337,581	2,028,491	202,150	2,370,406
2. Aircraft maintenance					
Wages	248,500	38,626	287,126	n/a	n/a
Materials	180,523	21,369	201,892	n/a	n/a
Other	133,737	82,012	215,749	n/a	n/a
Subtotal	562,760	142,007	704,767	96,196	862,525
3. In-flight service					
Wages	266,007	21,051	287,058	n/a	287,058
Food	301,238	24,533	325,771	n/a	325,771
Insurance	10,431	3,173	13,604	n/a	13,604
Other	88,577	3,273	91,850	n/a	91,850
Subtotal	666,253	52,030	718,283	n/a	718,283
4. Other maintenance					
	56,748	12,056	68,804	48,961	126,497
5. Administration					
	2,152,349	203,102	2,355,451	73,944	2,489,427
6. Depreciation					
	224,149	44,978	269,127	23,077	306,442
Total expenses	5,353,169	791,754	6,144,923	444,330	6,873,580
Total labour	1,544,172	180,000	1,724,172	111,175	1,792,814
Total fuel	917,534	169,466	1,087,000	62,603	1,200,783
Labour share of total expenses	28.8%	22.7%	28.1%	25.0%	26.1%
Fuel share of total expenses	17.1%	21.4%	17.7%	14.1%	17.5%
Operating profit:	160,159	44,336	204,495	48,347	262,795
Non-operating income:					
Capital gains	132,753	12,225	144,978	n/a	154,898
Interest income	63,498	3,699	67,197	n/a	68,268
Interest expenses	-217,442	-47,785	-265,227	n/a	-274,849
Other income/expenses	-32,274	2,072	-30,202	n/a	-29,178
Subtotal	-53,465	-29,789	-83,254	-2,307	-83,168
Pre-tax income:	106,694	14,547	121,241	46,040	179,627
Income taxes	28,795	9,986	38,781	15,311	58,405
Net income:	77,899	4,561	82,460	30,729	121,222
Total assets	6,226,064	n/a	n/a	n/a	7,930,457
Total debt	4,649,740	n/a	n/a	n/a	5,959,759
Total equity	1,576,324	n/a	n/a	n/a	1,969,700
Balance year-end	-	n/a	n/a	n/a	999
Total liabilities and equity	6,226,064	n/a	n/a	n/a	7,930,458
Operating profit/total revenues	2.9%	5.3%	3.2%	9.8%	3.7%
(Net income+interest)/assets	4.7%	n/a	n/a	n/a	5.0%
Debt/equity ratio	2.9	n/a	n/a	n/a	3.0

Source: Statistics Canada, *Canadian Civil Aviation 1988*, Catalogue no. 51-206, June 1990, pp. 9-12, pp. 19-20, and pp. 22-25.

Income Account for Class I-III Railways, 1990

(\$'000s)

	Canadian National	Canadian Pacific	VIA	Class I	Other railways	Total
Revenues:						
Freight revenues	3,101,708	2,341,262	0	5,442,970	550,145	5,993,115
Passenger revenues	4,794	465	134,192	139,451	79,527	218,978
Miscellaneous revenues	104,573	106,791	2,740	214,104	42,162	256,266
Payments received from VIA	75,459	9,517	0	84,976	0	84,976
Subsidies	98,214	29,595	350,324	478,133	36,910	515,043
Total revenues	3,384,748	2,487,630	487,256	6,359,634	708,744	7,068,378
Expenses:						
Ways and structures	623,622	406,577	33,883	1,064,082	173,916	1,237,998
Equipment	779,040	573,639	153,466	1,506,145	166,766	1,672,911
Rail operation	1,106,286	817,569	163,635	2,087,490	200,758	2,288,248
General	795,597	443,845	173,247	1,412,689	105,047	1,517,736
Total expenses	3,304,545	2,241,630	524,231	6,070,406	646,487	6,716,893
Wage bill	1,442,700	916,500	214,200	2,573,400	277,800	2,851,200
Fuel cost	319,321	259,810	23,943	603,073	55,831	658,904
Wage bill/total expenses	43.7%	40.9%	40.9%	42.4%	43.0%	42.4%
Fuel cost/total expenses	9.7%	11.6%	4.6%	9.9%	8.6%	9.8%
Operating profit	80,203	246,000	-36,975	289,228	62,257	351,485
Other income	-178,938	32,302	64,788	-81,848	-79,452	-161,300
Non-rail revenue	-227	4,547	0	4,320	-1,821	2,499
Pre-tax Income	-98,962	282,849	27,813	211,700	-19,016	192,684
Income taxes	-21,668	118,729	1,437	98,498	20,767	119,265
Extraordinary items	0	0	0	0	-423	-423
Net income	-77,294	164,120	26,376	113,202	-40,206	72,996
Total assets	6,558,423	4,577,563	931,741	12,067,727	1,744,320	13,812,047
Total debt	1,250,007	1,778,364	268,312	3,296,683	1,242,583	4,539,266
Total equity	5,308,416	2,799,199	663,429	8,771,044	501,737	9,272,781
Total liabilities and equity	6,558,423	4,577,563	931,741	12,067,727	1,744,320	13,812,047
Operating profit/total revenues	2.4%	9.9%	-7.6%	4.5%	8.8%	5.0%
Net income/assets	-1.2%	3.6%	2.8%	0.9%	-2.3%	0.5%
Debt/equity ratio	0.2	0.6	0.4	0.4	2.5	0.5

Shares of respective totals (%)

Revenues

Freight revenues	91.6	94.1	0.0	85.6	77.6	84.8
Passenger revenues	0.1	0.0	27.5	2.2	11.2	3.1
Miscellaneous revenues	3.1	4.3	0.6	3.4	5.9	3.6
Payments received from VIA	2.2	0.4	0.0	1.3	0.0	1.2
Subsidies	2.9	1.2	71.9	7.5	5.2	7.3
Total revenues	100.0	100.0	100.0	100.0	100.0	100.0

Expenses

Ways and structures	18.9	18.1	6.5	17.5	26.9	18.4
Equipment	23.6	25.6	29.3	24.8	25.8	24.9
Rail operation	33.5	36.5	31.2	34.4	31.1	34.1
General	24.1	19.8	33.0	23.3	16.2	22.6
Total expenses	100.0	100.0	100.0	100.0	100.0	100.0
Total debt	19.1	38.8	28.8	27.3	71.2	32.9
Total equity	80.9	61.2	71.2	72.7	28.8	67.1
Total liabilities and equity	100.0	100.0	100.0	100.0	100.0	100.0

Source: Statistics Canada, *Rail in Canada 1990*, Catalogue no. 52-216, July 1992, pp. 30-35, p. 49, and p. 62.

Note: Boldface figures differ from published amounts because \$152,000 was re-classified as miscellaneous revenues.

Income Account for Class I-III Railways, 1989

(\$'000s)

	Canadian National	Canadian Pacific	VIA	Class I	Other railways	Total
Revenues:						
Freight revenues	3,218,277	2,272,967	0	5,491,244	593,253	6,084,497
Passenger revenues	1,975	0	239,547	241,522	76,030	317,552
Miscellaneous revenues	103,202	108,374	3,392	214,968	47,067	262,035
Payments received from VIA	85,605	43,569	0	129,174	0	129,174
Subsidies	105,652	39,906	470,935	616,493	36,894	653,387
Total revenues	3,514,711	2,464,816	713,874	6,693,401	753,244	7,446,645
Expenses:						
Ways and structures	628,558	423,463	36,800	1,088,821	170,034	1,258,855
Equipment	754,869	622,001	300,032	1,676,902	149,453	1,826,355
Rail operation	1,084,962	786,122	253,459	2,124,543	190,479	2,315,022
General	739,829	423,213	415,700	1,578,742	101,317	1,680,059
Total expenses	3,208,218	2,254,799	1,005,991	6,469,008	611,283	7,080,291
Wage bill	1,446,200	930,200	259,100	2,635,500	271,800	2,907,300
Fuel cost	301,815	229,442	30,406	561,663	48,385	610,047
Wage bill/total expenses	45.1%	41.3%	25.8%	40.7%	44.5%	41.1%
Fuel cost/total expenses	9.4%	10.2%	3.0%	8.7%	7.9%	8.6%
Operating profit	306,493	210,017	-292,117	224,393	141,961	366,354
Other income	-183,457	-7,676	-917	-192,050	-87,232	-279,282
Non-rail revenue	-241	4,579	0	4,338	-1,659	2,679
Pre-tax income	122,795	206,920	-293,034	36,681	53,070	89,751
Income taxes	56,473	80,078	782	137,333	25,829	163,162
Extraordinary items	24,545	0	0	24,545	-79,857	-55,312
Net income	90,867	126,842	-293,816	-76,107	-52,616	-128,723
Total assets	6,485,006	4,506,089	938,033	11,929,128	1,688,602	13,617,730
Total debt	1,342,194	1,742,399	332,463	3,417,056	1,162,355	4,579,411
Total equity	5,142,812	2,763,690	605,570	8,512,072	526,247	9,038,319
Total liabilities and equity	6,485,006	4,506,089	938,033	11,929,128	1,688,602	13,617,730
Operating profit/total revenues	8.7%	8.5%	-40.9%	3.4%	18.8%	4.9%
Net income/assets	1.4%	2.8%	-31.3%	-0.6%	-3.1%	-0.9%
Debt/equity ratio	0.3	0.6	0.5	0.4	2.2	0.5

Shares of respective totals (%)

Revenues

Freight revenues	91.6	92.2	0.0	82.0	78.8	81.7
Passenger revenues	0.1	0.0	33.6	3.6	10.1	4.3
Miscellaneous revenues	2.9	4.4	0.5	3.2	6.2	3.5
Payments received from VIA	2.4	1.8	0.0	1.9	0.0	1.7
Subsidies	3.0	1.6	66.0	9.2	4.9	8.8
Total revenues	100.0	100.0	100.0	100.0	100.0	100.0

Expenses

Ways and structures	19.6	18.8	3.7	16.8	27.8	17.8
Equipment	23.5	27.6	29.8	25.9	24.4	25.8
Rail operation	33.8	34.9	25.2	32.8	31.2	32.7
General	23.1	18.8	41.3	24.4	16.6	23.7
Total expenses	100.0	100.0	100.0	100.0	100.0	100.0
Total debt	20.7	38.7	35.4	28.6	68.8	33.6
Total equity	79.3	61.3	64.6	71.4	31.2	66.4
Total liabilities and equity	100.0	100.0	100.0	100.0	100.0	100.0

Source: Statistics Canada, *Rail in Canada 1989*, Catalogue no. 52-216, October 1991, pp. 32-37, p. 54, and p. 68.

Income Account for Class I-III Railways, 1988

(\$'000s)

	Canadian National	Canadian Pacific	VIA	Class I	Other railways	Total
Revenues:						
Freight revenues	3,445,517	2,539,628	0	5,985,145	585,892	6,571,037
Passenger revenues	1,308	0	216,345	217,653	59,027	276,680
Miscellaneous revenues	104,605	95,204	2,281	202,090	44,175	246,265
Payments received from VIA	109,345	35,797	0	145,142	0	145,142
Subsidies	119,947	46,437	564,651	731,035	32,980	764,015
Total revenues	3,780,722	2,717,066	783,277	7,281,065	722,074	8,003,139
Expenses:						
Ways and structures	639,789	403,163	66,654	1,109,606	162,068	1,271,674
Equipment	795,725	625,982	236,099	1,657,806	142,117	1,799,923
Rail operation	1,085,431	848,523	248,309	2,182,263	180,593	2,362,856
General	776,462	434,281	240,502	1,451,245	93,313	1,544,558
Total expenses	3,297,407	2,311,949	791,564	6,400,920	578,091	6,979,011
Wage bill	1,505,300	929,600	256,700	2,691,600	253,000	2,944,600
Fuel cost	320,436	249,715	36,446	606,597	46,401	652,998
Wage bill/total expenses	45.7%	40.2%	32.4%	42.1%	43.8%	42.2%
Fuel cost/total expenses	9.7%	10.8%	4.6%	9.5%	8.0%	9.4%
Operating profit	483,315	405,117	-8,287	880,145	143,983	1,024,128
Other income	-291,985	-11,757	6,379	-297,363	-94,441	-391,804
Non-rail revenue	-533	3,878	0	3,345	-1,788	1,557
Pre-tax Income	190,797	397,238	-1,908	586,127	47,754	633,881
Income taxes	0	173,720	-124	173,596	27,533	201,129
Extraordinary items	-203,406	0	0	-203,406	-221	-203,627
Net income	-12,609	223,518	-1,784	209,125	20,000	229,125
Total assets	6,409,584	4,435,065	1,069,125	11,913,774	1,699,750	13,613,524
Total debt	1,301,353	1,764,979	230,308	3,296,640	1,179,447	4,476,087
Total equity	5,108,231	2,670,086	838,817	8,617,134	520,303	9,137,437
Total liabilities and equity	6,409,584	4,435,065	1,069,125	11,913,774	1,699,750	13,613,524
Operating profit/total revenues	12.8%	14.9%	-1.1%	12.1%	19.9%	12.8%
Net income/assets	-0.2%	5.0%	-0.2%	1.8%	1.2%	1.7%
Debt/equity ratio	0.3	0.7	0.3	0.4	2.3	0.5

Shares of respective totals (%)

Revenues

Freight revenues	91.1	93.5	0.0	82.2	81.1	82.1
Passenger revenues	0.0	0.0	27.6	3.0	8.2	3.5
Miscellaneous revenues	2.8	3.5	0.3	2.8	6.1	3.1
Payments received from VIA	2.9	1.3	0.0	2.0	0.0	1.8
Subsidies	3.2	1.7	72.1	10.0	4.6	9.5
Total revenues	100.0	100.0	100.0	100.0	100.0	100.0

Expenses

Ways and structures	19.4	17.4	8.4	17.3	28.0	18.2
Equipment	24.1	27.1	29.8	25.9	24.6	25.8
Rail operation	32.9	36.7	31.4	34.1	31.2	33.9
General	23.5	18.8	30.4	22.7	16.1	22.1
Total expenses	100.0	100.0	100.0	100.0	100.0	100.0
Total debt	20.3	39.8	21.5	27.7	69.4	32.9
Total equity	79.7	60.2	78.5	72.3	30.6	67.1
Total liabilities and equity	100.0	100.0	100.0	100.0	100.0	100.0

Source: Statistics Canada, *Rail in Canada 1988*, Catalogue no. 52-216, December 1990, pp. 32-37, p. 54, and p. 68.

Income Account for Class I-III Railways, 1987

(\$'000s)

	Canadian National	Canadian Pacific	VIA	Class I	Other railways	Total
Revenues:						
Freight revenues	3,376,817	2,622,612	0	5,999,429	563,103	6,562,532
Passenger revenues	2,322	0	192,224	194,546	50,195	244,741
Miscellaneous revenues	86,993	87,433	937	175,363	29,529	204,892
Payments received from VIA	148,263	33,184	0	181,447	0	181,447
Subsidies	108,473	47,013	517,067	672,553	33,090	705,643
Total revenues	3,722,868	2,790,242	710,228	7,223,338	675,917	7,899,255
Expenses:						
Ways and structures	639,162	394,848	27,821	1,061,831	160,650	1,222,481
Equipment	810,610	640,388	239,532	1,690,530	120,739	1,811,269
Rail operation	1,094,052	818,252	220,785	2,133,089	172,764	2,305,853
General	773,016	428,283	201,751	1,403,050	95,681	1,498,731
Total expenses	3,316,840	2,281,771	689,889	6,288,500	549,834	6,838,334
Wage bill	1,497,100	891,600	194,500	2,583,200	243,900	2,827,100
Fuel cost	320,654	256,105	33,299	610,058	45,099	655,157
Wage bill/total expenses	45.1%	39.1%	28.2%	41.1%	44.4%	41.3%
Fuel cost/total expenses	9.7%	11.2%	4.8%	9.7%	8.2%	9.6%
Operating profit	406,028	508,471	20,339	934,838	126,083	1,060,921
Other income	-326,092	-61,574	-1,796	-389,462	3,451	-386,011
Non-rail revenue	-2,229	3,288	0	1,059	-2,325	-1,266
Pre-tax income	77,707	450,185	18,543	546,435	127,209	673,644
Income taxes	0	221,308	12,522	233,830	26,110	259,940
Extraordinary items	0	0	0	0	-19,142	-19,142
Net income	77,707	228,877	6,021	312,605	81,957	394,562
Total assets	6,494,335	4,245,829	953,867	11,694,031	1,644,056	13,338,087
Total debt	1,224,200	1,637,442	185,215	3,046,857	679,878	3,726,735
Total equity	5,270,135	2,608,387	768,652	8,647,174	964,178	9,611,352
Total liabilities and equity	6,494,335	4,245,829	953,867	11,694,031	1,644,056	13,338,087
Operating profit/total revenues	10.9%	18.2%	2.9%	12.9%	18.7%	13.4%
Net income/assets	1.2%	5.4%	0.6%	2.7%	5.0%	3.0%
Debt/equity ratio	0.2	0.6	0.2	0.4	0.7	0.4

Shares of respective totals (%)

Revenues

Freight revenues	90.7	94.0	0.0	83.1	83.3	83.1
Passenger revenues	0.1	0.0	27.1	2.7	7.4	3.1
Miscellaneous revenues	2.3	3.1	0.1	2.4	4.4	2.6
Payments received from VIA	4.0	1.2	0.0	2.5	0.0	2.3
Subsidies	2.9	1.7	72.8	9.3	4.9	8.9
Total revenues	100.0	100.0	100.0	100.0	100.0	100.0

Expenses

Ways and structures	19.3	17.3	4.0	16.9	29.2	17.9
Equipment	24.4	28.1	34.7	26.9	22.0	26.5
Rail operation	33.0	35.9	32.0	33.9	31.4	33.7
General	23.3	18.8	29.2	22.3	17.4	21.9
Total expenses	100.0	100.0	100.0	100.0	100.0	100.0
Total debt	18.9	38.6	19.4	26.1	41.4	27.9
Total equity	81.1	61.4	80.6	73.9	58.6	72.1
Total liabilities and equity	100.0	100.0	100.0	100.0	100.0	100.0

Source: Statistics Canada, *Rail in Canada 1987*, Catalogue no. 52-216, November 1989, pp. 44-49, p. 66, p. 80.

Income Account of the Intercity Passenger Bus Industry, 1989

	Class 1-2	Share of relevant subtotal	Share of respective grand total
Operating revenues (\$ '000s)			
Intercity services	228,045	63.0	63.0
Urban services	459	0.1	0.1
Suburban services	—	0.0	0.0
Charter and tours	38,798	10.7	10.7
Contract and other revenues	94,658	26.2	26.2
Total revenues	361,960	100.0	100.0
Operating expenses (\$ '000s)			
1. Transportation:			
Labour	80,282	51.7	25.4
Fuel (including taxes)	28,223	18.2	8.9
Tires and tubes	3,190	2.1	1.0
Equipment rentals	3,868	2.4	1.2
License and registration fees	1,421	0.9	0.4
Bridge, tunnel, ferry, road tolls	518	0.3	0.2
Equipment depreciation	14,354	9.2	4.5
Other expenses	23,824	15.2	7.5
Subtotal	155,256	100.0	49.1
2. Maintenance:			
Labour	19,251	36.1	8.1
Vehicle parts	15,201	28.5	4.8
Purchased repair	8,542	16.0	2.7
Depreciation	1,850	3.5	0.6
Other expenses	8,424	15.8	2.7
Subtotal	53,268	100.0	16.8
3. Terminal:			
Labour	14,118	32.7	4.5
Commissions	18,997	44.0	6.0
Depreciation	1,248	2.9	0.4
Other expenses	8,816	20.4	2.8
Subtotal	43,177	100.0	13.6
4. Sales:			
Labour	2,183	32.4	0.7
Advertising	2,804	41.6	0.9
Other expenses	1,753	26.0	0.6
Subtotal	6,740	100.0	2.1
5. Insurance:			
Labour	599	9.1	0.2
Vehicle insurance	2,822	42.9	0.9
Other expenses	3,157	48.0	1.0
Subtotal	6,578	100.0	2.1
6. Administration:			
Labour	13,458	26.2	4.3
Employee benefits	20,873	40.7	6.6
Supplies	2,356	4.6	0.7
Depreciation	2,695	5.2	0.9
Real estate/property taxes	4,319	8.4	1.4
Other expenses	7,647	14.9	2.4
Subtotal	51,348	100.0	16.2
Total operating expenses	318,368		100.0
Total labour expenses	129,868		
Total fuel expenses	28,223		
Labour share of operating expenses	41.0%		
Fuel share of operating expenses	8.9%		
Operating profit	45,593		
Non-operating details:			
Revenues	6,180		
Interest expenses	-20,084		
Other expenses/revenues	-2,911		
Subtotal	-16,816		
Pre-tax income	28,777		
Income taxes	14,318		
Net income	14,460		
Total assets	347,760		
Total debt	180,838		
Total equity	166,922		
Total liabilities and equity	347,760		
Operating profit/total revenues	12.6%		
Net income + interest expenses/assets	9.9%		
Debt/equity ratio	1.1		

Source: Statistics Canada, *Passenger Bus and Urban Transit Statistics 1989*, Catalogue no. 53-215, March 1992, pp. 24-26.

Income Account of the Intercity Passenger Bus Industry, 1988

	Class 1-3	Share of relevant subtotal	Share of respective grand total
Operating revenues (\$ '000s)			
Intercity services	208,460	62.6	62.6
Urban services	438	0.1	0.1
Suburban services	-	0.0	0.0
Charter and tours	39,713	11.9	11.9
Contract and other revenues	84,245	25.3	25.3
Total revenues	332,855	100.0	100.0
Operating expenses (\$ '000s)			
1. Transportation:			
Labour	84,289	58.2	26.3
Fuel (including taxes)	26,868	18.6	8.4
Tires and tubes	3,010	2.1	0.9
Equipment rentals	2,203	1.5	0.7
License and registration fees	1,369	0.9	0.4
Bridge, tunnel, ferry, road tolls	350	0.2	0.1
Equipment depreciation	10,968	7.6	3.4
Other expenses	15,686	10.8	4.9
Subtotal	144,723	100.0	45.2
2. Maintenance:			
Labour	17,865	39.2	5.6
Vehicle parts	10,607	23.3	3.3
Purchased repair	8,964	19.7	2.8
Depreciation	905	2.0	0.3
Other expenses	7,268	15.9	2.3
Subtotal	45,609	100.0	14.3
3. Terminal:			
Labour	19,622	31.9	6.1
Commissions	28,732	48.3	9.3
Depreciation	1,045	1.7	0.3
Other expenses	11,114	18.1	3.5
Subtotal	61,512	100.0	19.2
4. Sales:			
Labour	2,076	23.5	0.6
Advertising	3,845	43.5	1.2
Other expenses	2,915	33.0	0.9
Subtotal	8,835	100.0	2.8
5. Insurance:			
Labour	362	6.2	0.1
Vehicle insurance	3,514	60.0	1.1
Other expenses	1,979	33.8	0.6
Subtotal	5,855	100.0	1.8
6. Administration:			
Labour	11,876	22.2	3.7
Employee benefits	18,088	33.8	5.7
Supplies	7,229	13.5	2.3
Depreciation	1,266	2.4	0.4
Real estate/property taxes	3,641	6.8	1.1
Other expenses	11,403	21.3	3.6
Subtotal	53,502	100.0	16.7
Total operating expenses	320,036		100.0
Total labour expenses	136,070		
Total fuel expenses	26,868		
Labour share of operating expenses	42.5%		
Fuel share of operating expenses	8.4%		
Operating profit	12,819		
Non-operating details:			
Revenues	20,545		
Interest expenses	-13,995		
Other expenses/revenues	13,823		
Subtotal	20,373		
Pre-tax income	33,192		
Income taxes	6,279		
Net income	26,912		
Total assets	360,523		
Total debt	230,360		
Total equity	130,163		
Total liabilities and equity	360,523		
Operating profit/total revenues	3.9%		
Net income+interest expenses/assets	11.3%		
Debt/equity ratio	1.8		

Source: Statistics Canada, *Passenger Bus and Urban Transit Statistics 1988*, Catalogue no. 53-215, February 1991, pp. 20-22.

Income Account of the Intercity Passenger Bus Industry, 1987

	Class 1-2	Class 3	Total	Share of relevant subtotal (%)		
	Class 1-2	Class 3	Total			
Operating revenues (\$ '000s)						
Intercity services	214,071	6,091	220,162	63.5	62.4	63.5
Urban services	14	-	14	0.0	-	0.0
Suburban services	-	-	-	-	-	-
Charter and tours	37,355	660	38,015	11.1	6.8	11.0
Contract and other revenues	85,669	3,014	88,682	25.4	30.9	25.6
Total revenues	337,109	9,764	346,873	100.0	100.0	100.0
Operating expenses (\$ '000s)						
1. Transportation:						
Labour	84,359	1,150	85,508	58.6	18.1	56.9
Fuel (including taxes)	27,055	831	27,886	18.8	13.1	18.5
Tires and tubes	2,752	125	2,877	1.9	2.0	1.9
Equipment rentals	2,555	8	2,564	1.8	0.1	1.7
License and registration fees	1,254	n/a	1,254	0.9	-	0.8
Bridge, tunnel, ferry, road tolls	255	n/a	255	0.2	-	0.2
Equipment depreciation	9,910	410	10,320	6.9	6.4	6.9
Other expenses	15,842	3,840	19,682	11.0	60.3	13.1
Subtotal	143,982	6,365	150,347	100.0	100.0	100.0
2. Maintenance:						
Labour	18,368	142	18,510	42.8	18.6	42.4
Vehicle parts	10,874	n/a	10,874	25.3	-	24.9
Purchased repair	5,966	n/a	5,966	13.9	-	13.7
Depreciation	1,011	n/a	1,011	2.4	-	2.3
Other expenses	6,708	621	7,329	15.6	81.4	16.8
Subtotal	42,926	763	43,689	100.0	100.0	100.0
3. Terminal:						
Labour	22,227	43	22,270	36.6	9.7	36.4
Commissions	30,293	n/a	30,293	49.8	-	49.5
Depreciation	1,173	1	1,174	1.9	0.2	1.9
Other expenses	7,082	398	7,480	11.7	90.1	12.2
Subtotal	60,775	442	61,217	100.0	100.0	100.0
4. Sales:						
Labour	2,127	n/a	2,127	25.4	-	25.4
Advertising	3,502	n/a	3,502	41.8	-	41.8
Other expenses	2,754	n/a	2,754	32.9	-	32.9
Subtotal	8,383	n/a	8,383	100.0	-	100.0
5. Insurance:						
Labour	355	n/a	355	5.8	-	5.8
Vehicle insurance	3,761	n/a	3,761	60.9	-	60.9
Other expenses	2,058	n/a	2,058	33.3	-	33.3
Subtotal	6,174	n/a	6,174	100.0	-	100.0
6. Administration:						
Labour	11,061	468	11,529	22.6	22.3	22.6
Employee benefits	19,720	247	19,967	40.3	11.8	39.2
Supplies	7,219	n/a	7,219	14.8	0.0	14.2
Depreciation	1,041	20	1,061	2.1	1.0	2.1
Real estate/property taxes	4,262	n/a	4,262	8.7	0.0	8.4
Other expenses	5,586	1,363	6,949	11.4	65.0	13.6
Subtotal	48,888	2,098	50,987	100.0	100.0	100.0
Total operating expenses	311,128	9,668	320,796			
Total labour expenses	138,496	1,803	140,299			
Total fuel expenses	27,055	831	27,886			
Labour share of operating expenses	44.5%	18.6%	43.7%			
Fuel share of operating expenses	8.7%	8.6%	8.7%			
Operating profit	25,981	96	26,077			
Non-operating details:						
Revenues	49,852	n/a	-			
Interest expenses	-13,899	n/a	-			
Other expenses/revenues	-1,618	n/a	-			
Subtotal	34,334	n/a	-			
Pre-tax income	60,315	n/a	-			
Income taxes	10,037	n/a	-			
Net income	50,279	n/a	-			
Total assets	327,555	7,048	334,603			
Total debt	207,711	6,190	213,901			
Total equity	119,843	859	120,702			
Total liabilities and equity	327,555	7,048	334,603			
Operating profit/total revenues	7.7%	1.0%	7.5%			
Net income+interest expenses/assets	19.6%	n/a	-			
Debt/equity ratio	1.7	7.2	1.8			

Source: Statistics Canada, *Passenger Bus and Urban Transit Statistics 1987*, Catalogue no. 53-215, November 1989, pp. 20-22 and pp. 25-27.

Income Account for Other Passenger Bus Establishments, 1989

(\$'000s)

				Share of relevant subtotal (%)		
	School bus	Charter/ sight- seeing	Total	School bus	Charter/ sight- seeing	Total
Operating revenues:						
Urban and suburban	22,214	1,197	23,411	3.0	0.7	2.6
Intercity	5,386	9,354	14,740	0.7	5.5	1.6
Charter	68,787	113,143	181,930	9.2	65.9	19.9
Contracts	638,907	42,744	681,650	85.9	24.9	74.4
Other revenues/subsidies	8,724	5,180	13,904	1.2	3.0	1.5
Total operating revenues	744,017	171,618	915,635	100.0	100.0	100.0
Operating expenses:						
1. Transportation expenses:						
Labour	197,696	39,545	237,241	66.9	62.0	66.0
Fuel	83,467	18,969	102,436	28.2	29.7	28.5
Tires	9,041	1,952	10,993	3.1	3.1	3.1
Other expenses	5,344	3,298	8,642	1.8	5.2	2.4
Subtotal	295,548	63,763	359,311	100.0	100.0	100.0
2. Equipment rental expenses:						
Lease payments	16,016	5,188	21,204	14.4	19.6	15.4
Equipment rentals	8,418	5,323	13,742	7.6	20.2	10.0
Depreciation	86,232	9,645	95,876	77.4	36.5	69.5
Other purchased transportation	789	6,261	7,050	0.7	23.7	5.1
Subtotal	111,455	26,417	137,872	100.0	100.0	100.0
3. Vehicle maintenance expenses:						
Labour	31,487	5,130	36,617	38.9	28.4	37.0
Other expenses	49,505	12,929	62,434	61.1	71.6	63.0
Subtotal	80,992	18,059	99,051	100.0	100.0	100.0
4. Terminal expenses:						
Labour	3,789	1,634	5,423	30.7	19.5	26.2
Maintenance	2,379	594	2,974	19.3	7.1	14.4
Depreciation	713	156	868	5.8	1.9	4.2
Other expenses	5,459	5,976	11,435	44.2	71.5	55.2
Subtotal	12,340	8,359	20,700	100.0	100.0	100.0
5. General and administrative expenses:						
Labour	41,822	9,184	51,006	24.4	20.5	23.6
Insurance, claims, and safety	21,810	5,045	26,855	12.7	11.2	12.4
Employee benefits	32,353	8,749	41,102	18.9	19.5	19.0
Other expenses	75,647	21,877	97,524	44.1	48.8	45.0
Subtotal	171,632	44,856	216,488	100.0	100.0	100.0
Total operating expenses	671,968	161,454	833,422			
Labour/total expenses	40.9%	34.4%	39.6%			
Fuel/total expenses	12.4%	11.7%	12.3%			
Operating profit	72,049	10,164	82,213			
Profit/total revenues	9.7%	5.9%	9.0%			
Total assets						
	1,040,893	136,362	1,177,255			
Total liabilities						
	330,842	87,854	418,696			
Owner(s) equity						
	710,051	48,507	758,559			
Debt/equity ratio						
	0.5	1.8	0.6			

Source: Statistics Canada, *Passenger Bus and Urban Transit Statistics 1989*, Catalogue no. 53-215, March 1992, pp. 42-47 and pp. 52-57.

Income Account for Other Passenger Bus Establishments, 1988

(\$'000s)

				Share of relevant subtotal (%)		
	School bus	Charter/ sight- seeing	Total	School bus	Charter/ sight- seeing	Total
Operating revenues:						
Urban and suburban	16,222	1,416	17,638	2.3	0.8	2.0
Intercity	4,803	9,675	14,478	0.7	5.8	1.7
Charter	59,328	104,332	163,660	8.5	62.1	18.9
Contracts	614,220	47,255	661,475	87.7	28.1	76.2
Other revenues/subsidies	5,547	5,365	10,912	0.8	3.2	1.3
Total operating revenues	700,122	168,042	868,164	100.0	100.0	100.0
Operating expenses:						
1. Transportation expenses:						
Labour	193,951	36,442	230,393	66.3	59.6	65.2
Fuel	84,362	17,877	102,239	28.8	29.2	28.9
Tires	9,847	2,058	11,905	3.4	3.4	3.4
Other expenses	4,317	4,752	9,069	1.5	7.8	2.6
Subtotal	292,477	61,128	353,605	100.0	100.0	100.0
2. Equipment rental expenses:						
Lease payments	9,397	4,570	13,967	10.9	19.7	12.7
Equipment rentals	6,779	5,238	12,017	7.8	22.6	11.0
Depreciation	68,893	8,473	77,366	79.7	36.5	70.5
Other purchased transportation	1,395	4,922	6,317	1.6	21.2	5.8
Subtotal	86,463	23,204	109,667	100.0	100.0	100.0
3. Vehicle maintenance expenses:						
Labour	29,538	5,687	35,225	38.6	31.1	37.1
Other expenses	47,044	12,609	59,653	61.4	68.9	62.9
Subtotal	76,582	18,296	94,878	100.0	100.0	100.0
4. Terminal expenses:						
Labour	3,184	2,144	5,328	30.7	23.4	27.3
Maintenance	1,819	514	2,333	17.5	5.6	11.9
Depreciation	733	327	1,060	7.1	3.6	5.4
Other expenses	4,633	6,189	10,822	44.7	67.5	55.4
Subtotal	10,369	9,175	19,544	100.0	100.0	100.0
5. General and administrative expenses:						
Labour	41,881	8,546	50,428	27.6	19.8	25.8
Insurance, claims, and safety	20,053	5,142	25,196	13.2	11.9	12.9
Employee benefits	32,217	6,138	38,355	21.2	14.2	19.6
Other expenses	57,844	23,441	81,284	38.1	54.2	41.6
Subtotal	151,995	43,268	195,263	100.0	100.0	100.0
Total operating expenses						
Labour/total expenses	617,886	155,070	772,957			
Fuel/total expenses	43.5%	34.1%	41.6%			
	13.7%	11.5%	13.2%			
Operating profit						
Profit/total revenues	82,236	12,972	95,207			
	11.7%	7.7%	11.0%			
Total assets						
	1,066,089	161,825	1,227,914			
Total liabilities						
Owner(s) equity	339,833	117,007	456,839			
	726,256	44,819	771,075			
Debt/equity ratio						
	0.5	2.6	0.6			

Source: Statistics Canada, *Passenger Bus and Urban Transit Statistics 1988*, Catalogue no. 53-215, February 1991, pp. 40-45 and pp. 50-55.

Income Account for Other Passenger Bus Establishments, 1987

(\$'000s)

				Share of relevant subtotal (%)		
	School bus	Charter/ sight- seeing	Total	School bus	Charter/ sight- seeing	Total
Operating revenues:						
Urban and suburban	12,427	2,643	15,070	1.7	1.6	1.7
Intercity	6,396	9,773	16,169	0.9	5.8	1.8
Charter	55,740	103,063	158,803	7.8	60.6	18.0
Contracts	631,576	48,912	680,488	88.9	28.8	77.3
Other revenues/subsidies	4,670	5,561	10,231	0.7	3.3	1.2
Total operating revenues	710,810	169,952	880,762	100.0	100.0	100.0
Operating expenses:						
1. Transportation expenses:						
Labour	194,523	35,607	230,130	64.9	57.5	63.6
Fuel	89,418	18,522	107,940	29.8	29.9	29.8
Tires	9,777	2,082	11,860	3.3	3.4	3.3
Other expenses	6,155	5,742	11,897	2.1	9.3	3.3
Subtotal	299,874	61,954	361,828	100.0	100.0	100.0
2. Equipment rental expenses:						
Lease payments	10,890	5,781	16,672	12.7	24.5	15.3
Equipment rentals	6,587	5,386	11,973	7.7	22.9	11.0
Depreciation	67,209	8,435	75,644	78.4	35.8	69.2
Other purchased transportation	1,060	3,952	5,012	1.2	16.8	4.6
Subtotal	85,746	23,554	109,300	100.0	100.0	100.0
3. Vehicle maintenance expenses:						
Labour	29,114	6,193	35,307	37.2	33.6	36.5
Other expenses	49,192	12,227	61,419	62.8	66.4	63.5
Subtotal	78,306	18,420	96,726	100.0	100.0	100.0
4. Terminal expenses:						
Labour	2,812	2,315	5,127	29.5	26.1	27.9
Maintenance	1,755	486	2,242	18.4	5.5	12.2
Depreciation	530	328	858	5.6	3.7	4.7
Other expenses	4,444	5,724	10,168	46.6	64.7	55.3
Subtotal	9,541	8,854	18,395	100.0	100.0	100.0
5. General and administrative expenses:						
Labour	44,302	9,477	53,779	28.9	21.3	27.2
Insurance, claims, and safety	21,226	5,436	26,662	13.8	12.2	13.5
Employee benefits	29,532	6,409	35,941	19.2	14.4	18.2
Other expenses	58,374	23,262	81,636	38.0	52.2	41.2
Subtotal	153,433	44,584	198,017	100.0	100.0	100.0
Total operating expenses	626,900	157,366	784,266			
Labour/total expenses	43.2%	34.1%	41.4%			
Fuel/total expenses	14.3%	11.8%	13.8%			
Operating profit	83,909	12,586	96,496			
Profit/total revenues	11.8%	7.4%	11.0%			
Total assets	968,681	154,807	1,123,487			
Total liabilities	506,959	111,102	618,062			
Owner(s) equity	461,721	43,704	505,426			
Debt/equity ratio	1.1	2.5	1.2			

Source: Statistics Canada, *Passenger Bus and Urban Transit Statistics 1987*, Catalogue no. 53-215, November 1989, pp. 46-49 and pp. 54-57.

Transportation Labour Force Statistics From the Labour Force Survey, 1966-1990

I. Employment in transportation occupations and industries, 1966-1990 ('000s)

	Transportation occupations				Transportation and utility industries				Total economy			
	Labour force	Employment	Unemployment	Unemp. rate	Labour force	Employment	Unemployment	Unemp. rate	Labour force	Employment	Unemployment	Unemp. rate
1966	-	-	-	-	-	-	-	-	7,494	7,242	252	3.4%
1967	-	-	-	-	-	-	-	-	7,747	7,451	296	3.8%
1968	-	-	-	-	-	-	-	-	7,951	7,593	358	4.5%
1969	-	-	-	-	-	-	-	-	8,194	7,832	362	4.4%
1970	-	-	-	-	-	698	-	-	8,395	7,919	476	5.7%
1971	-	-	-	-	-	707	-	-	8,639	8,104	535	6.2%
1972	-	-	-	-	-	734	-	-	8,897	8,345	553	6.2%
1973	-	-	-	-	-	775	-	-	9,276	8,761	515	5.6%
1974	-	-	-	-	-	791	-	-	9,639	9,125	514	5.3%
1975	412	385	27	6.5%	854	812	42	4.9%	9,974	9,284	690	6.9%
1976	419	389	30	7.1%	872	824	47	5.4%	10,204	9,477	726	7.1%
1977	420	387	34	8.0%	868	819	49	5.6%	10,500	9,851	649	6.1%
1978	455	420	35	7.7%	913	859	53	5.9%	10,895	9,987	908	8.3%
1979	466	433	33	7.1%	951	903	47	5.0%	11,231	10,395	836	7.4%
1980	474	440	34	7.1%	954	906	48	5.0%	11,573	10,708	865	7.5%
1981	448	413	35	8.0%	961	911	49	5.1%	11,899	11,001	898	7.5%
1982	457	401	56	12.3%	953	882	71	7.5%	11,926	10,618	1,308	11.0%
1983	449	392	57	12.7%	943	865	78	8.3%	12,110	10,675	1,434	11.8%
1984	451	398	53	11.7%	924	852	73	7.8%	12,316	10,932	1,384	11.2%
1985	468	416	51	10.8%	943	876	67	7.1%	12,532	11,221	1,311	10.5%
1986	478	428	50	10.5%	956	891	66	6.9%	12,746	11,531	1,215	9.5%
1987	489	455	44	8.8%	956	899	57	6.0%	13,011	11,861	1,150	8.8%
1988	486	456	40	8.1%	960	906	55	5.7%	13,275	12,245	1,031	7.8%
1989	508	468	39	7.7%	1,011	961	50	5.0%	13,503	12,466	1,018	7.5%
1990	511	468	42	8.2%	1,010	951	60	5.9%	13,681	12,572	1,109	8.1%

II. Labour Force Survey estimates of employment in transport industries ('000s)

	Transportation occupations				Transportation and utility industries				Total economy			
	Labour force	Employment	Unemployment	Unemp. rate	Labour force	Employment	Unemployment	Unemp. rate	Labour force	Employment	Unemployment	Unemp. rate
1980	53	116	20	16.7%	97	538	368	39.6%	7,494	7,242	252	3.4%
1981	55	118	20	16.9%	93	526	385	39.1%	7,747	7,451	296	3.8%
1982	50	105	19	15.0%	97	498	384	38.8%	7,951	7,593	358	4.5%
1983	49	95	17	15.0%	97	480	385	38.5%	8,194	7,832	362	4.4%
1984	47	98	17	15.5%	96	480	392	85.2%	8,395	7,919	476	5.7%
1985	56	95	19	18.9%	102	472	404	85.6%	8,639	8,104	535	6.2%
1986	56	91	19	18.9%	102	472	412	89.1%	8,897	8,345	553	6.2%
1987	54	84	16	17.3%	102	476	423	89.9%	9,276	8,761	515	5.6%
1988	58	78	22	17.3%	102	476	432	90.6%	9,639	9,125	514	5.3%
1989	68	78	18	17.9%	107	489	463	96.1%	9,974	9,284	690	6.9%
1990	71	67	19	17.8%	107	489	462	95.1%	10,204	9,477	726	7.1%

Sources

1: Statistics Canada, CANSIM, Matrix 2074. Data are from the Labour Force Survey (Catalogue 71-001).

II: Unpublished data from Statistics Canada's Labour Force Survey.

Notes: 1) Data on transport industries in part I include communications and other utilities; 2) Transport total in part II excludes storage and pipelines; 3) Industry breakdowns are made using the 1970 Standard Industrial Classification before 1984 and the 1990 SIC thereafter; 4) Air excludes services incidental to air transport; 5) Water excludes services incidental to water transport; 6) Bus includes both urban and interurban transit systems.

These data will differ from SEPH data (to follow next) which are based on a different methodology. See the note to the next table for further details.

Number of Employees Engaged in the Transportation Industry, 1983-1990

('000s)

	Industrial aggregate	Goods producing industries	Services producing industries	Transport	Air transport	Services incidental to air transport
1983	9,075	2,486	6,595	466.1	44.0	6.0
1984	9,151	2,397	6,758	473.7	45.6	7.7
1985	9,512	2,485	7,030	478.7	46.7	7.2
1986	9,706	2,519	7,189	477.3	48.6	6.7
1987	9,946	2,579	7,367	455.2	48.6	6.6
1988	10,107	2,622	7,485	460.8	53.5	6.0
1989	10,339	2,664	7,675	470.9	57.7	6.4
1990	10,154	2,480	7,674	472.7	59.4	6.7

	Railway transport	Water transport	Services incidental to water transport	Moving and storage— used goods uncrated	Other truck transport	Bus transport— interurban and rural
1983	96.3	16.3	13.9	9.0	91.2	3.8
1984	96.7	14.2	13.8	9.8	101.6	4.0
1985	92.1	14.4	13.2	9.7	104.8	3.8
1986	88.9	15.8	12.9	10.1	102.6	3.9
1987	79.7	14.0	11.0	9.9	102.5	3.4
1988	76.7	14.6	9.7	8.5	106.8	3.3
1989	72.7	15.8	11.2	8.2	109.0	3.4
1990	67.2	14.9	11.1	8.3	99.0	3.6

	Urban transit systems	Taxicab operations	Pipeline transport	Highway and bridge maintenance	Misc. services incidental to trans.	Other transport
1983	34.8	12.7	8.5	65.3	28.5	32.7
1984	34.9	17.9	8.1	60.1	28.7	29.7
1985	36.6	13.0	8.0	59.6	40.2	28.6
1986	37.6	16.7	8.0	58.4	37.2	30.0
1987	37.8	10.0	7.2	57.0	34.3	33.2
1988	37.6	9.8	7.8	55.5	36.9	34.2
1989	38.5	10.5	8.1	56.6	37.4	35.3
1990	38.8	10.1	8.7	60.5	38.9	45.7

Source: Statistics Canada, CANSIM, Matrix 8003. Data are taken from the monthly Survey of Employment, Earnings and Hours (SEPH), a sample survey of 70,000 firms selected out of a universe of 700,000. It is the only survey that provides statistics on employment and earnings for all S.I.C. industries (1970 Classification). The survey underwent major revisions beginning in 1987 resulting in a break in the series. As a result, data presented here incorporate adjustment factors provided by Statistics Canada in the May 1987 issue of Catalogue no. 72-002, *Employment, Earnings and Hours*. Since they are taken from a survey whose reporting unit is the firm, the data presented here differ from those taken from the Labour Force Survey whose reporting unit is the individual.

Note: The annual average for 1983 is based on ten months' data (i.e. March to December).

Transportation Employment as a Percentage of Total
Employment for the Industrial Aggregate, 1983-1990

(per cent)

	Industrial aggregate	Goods producing industries	Services producing industries	Transport	Air transport	Services incidental to air transport
1983	100.0	27.4	72.7	5.1	0.5	0.1
1984	100.0	26.2	73.8	5.2	0.5	0.1
1985	100.0	26.1	73.9	5.0	0.5	0.1
1986	100.0	26.0	74.1	4.9	0.5	0.1
1987	100.0	25.9	74.1	4.6	0.5	0.1
1988	100.0	25.9	74.1	4.6	0.5	0.1
1989	100.0	25.8	74.2	4.6	0.6	0.1
1990	100.0	24.4	75.6	4.7	0.6	0.1

	Railway transport	Water transport	Services incidental to water transport	Moving and storage- used goods uncrated	Other truck transport	Bus transport- interurban and rural
1983	1.1	0.2	0.2	0.1	1.0	0.0
1984	1.1	0.2	0.2	0.1	1.1	0.0
1985	1.0	0.2	0.1	0.1	1.1	0.0
1986	0.9	0.2	0.1	0.1	1.1	0.0
1987	0.8	0.1	0.1	0.1	1.0	0.0
1988	0.8	0.1	0.1	0.1	1.1	0.0
1989	0.7	0.2	0.1	0.1	1.1	0.0
1990	0.7	0.1	0.1	0.1	1.0	0.0

	Urban transit systems	Taxicab operations	Pipeline transport	Highway and bridge maintenance	Misc. services incidental to trans.	Other transport
1983	0.4	0.1	0.1	0.7	0.3	0.4
1984	0.4	0.2	0.1	0.7	0.3	0.3
1985	0.4	0.1	0.1	0.6	0.4	0.3
1986	0.4	0.2	0.1	0.6	0.4	0.3
1987	0.4	0.1	0.1	0.6	0.3	0.3
1988	0.4	0.1	0.1	0.5	0.4	0.3
1989	0.4	0.1	0.1	0.5	0.4	0.3
1990	0.4	0.1	0.1	0.6	0.4	0.5

Source: Derived from the data on page E-2.

Transportation Industry Employment as a Percentage of Total
Transport Employment, 1983-1990

(per cent)

	Industrial aggregate	Goods producing industries	Services producing industries	Transport	Air transport	Services incidental to air transport
1983	n/a	n/a	n/a	100.0	9.4	1.3
1984	n/a	n/a	n/a	100.0	9.6	1.6
1985	n/a	n/a	n/a	100.0	9.8	1.5
1986	n/a	n/a	n/a	100.0	10.2	1.4
1987	n/a	n/a	n/a	100.0	10.7	1.5
1988	n/a	n/a	n/a	100.0	11.6	1.3
1989	n/a	n/a	n/a	100.0	12.3	1.4
1990	n/a	n/a	n/a	100.0	12.6	1.4

	Railway transport	Water transport	Services incidental to water transport	Moving and storage- used goods uncrated	Other truck transport	Bus transport- interurban and rural
1983	20.7	3.5	3.0	1.9	19.6	0.8
1984	20.4	3.0	2.9	2.1	21.4	0.8
1985	19.2	3.0	2.8	2.0	21.9	0.8
1986	18.6	3.3	2.7	2.1	21.5	0.8
1987	17.5	3.1	2.4	2.2	22.5	0.7
1988	16.7	3.2	2.1	1.8	23.2	0.7
1989	15.4	3.4	2.4	1.7	23.1	0.7
1990	14.2	3.1	2.3	1.8	20.9	0.8

	Urban transit systems	Taxicab operations	Pipeline transport	Highway and bridge maintenance	Misc. services incidental to trans.	Other transport
1983	7.5	2.7	1.8	14.0	6.1	7.0
1984	7.4	3.8	1.7	12.7	6.1	6.3
1985	7.6	2.7	1.7	12.5	8.4	6.0
1986	7.9	3.5	1.7	12.2	7.8	6.3
1987	8.3	2.2	1.6	12.5	7.5	7.3
1988	8.2	2.1	1.7	12.0	8.0	7.4
1989	8.2	2.2	1.7	12.0	7.9	7.5
1990	8.2	2.1	1.8	12.8	8.2	9.7

Source: Derived from the data on page E-2.

Average Weekly Earnings, Including Overtime, for the Transportation Industry, 1983-1990

(in current dollars)

	Industrial aggregate	Services producing industries	Transport	Air transport	Services incidental to air transport	
1983	\$388.52	\$361.55	\$465.07	\$581.93	\$385.05	
1984	\$403.06	\$374.76	\$479.00	\$591.47	\$433.36	
1985	\$417.07	\$386.21	\$494.61	\$601.71	\$428.49	
1986	\$428.71	\$397.67	\$509.08	\$605.70	\$469.33	
1987	\$442.66	\$409.63	\$527.22	\$623.64	\$487.92	
1988	\$463.72	\$429.06	\$556.39	\$649.79	\$495.62	
1989	\$486.78	\$449.80	\$575.91	\$673.61	\$506.55	
1990	\$512.79	\$475.75	\$594.84	\$719.49	\$535.19	

	Railway transport	Water transport	Services incidental to water transport	Moving and storage- used goods transport	Other truck transport	Bus transport- interurban and rural
1983	\$538.74	\$558.01	\$557.77	\$341.92	\$422.37	\$497.66
1984	\$571.55	\$551.76	\$580.86	\$350.05	\$438.63	\$505.26
1985	\$584.78	\$579.11	\$622.32	\$382.16	\$454.82	\$524.87
1986	\$621.22	\$591.63	\$612.47	\$396.59	\$454.51	\$538.46
1987	\$635.74	\$624.91	\$690.47	\$374.38	\$483.65	\$508.76
1988	\$698.79	\$665.86	\$693.91	\$395.57	\$517.73	\$462.63
1989	\$732.68	\$689.62	\$764.35	\$424.17	\$536.95	\$465.08
1990	\$781.28	\$742.71	\$757.65	\$408.17	\$544.06	\$476.08

	Urban transit systems	Taxicab operations	Pipeline transport	Highway and bridge maintenance	Misc. services incidental to trans.	Other transport
1983	\$527.06	\$240.48	\$640.31	\$466.93	\$330.18	\$260.60
1984	\$540.01	\$239.56	\$671.88	\$481.93	\$335.28	\$255.56
1985	\$575.94	\$294.56	\$702.38	\$493.29	\$358.45	\$266.19
1986	\$604.38	\$263.46	\$735.24	\$514.75	\$387.25	\$259.77
1987	\$626.70	\$229.53	\$794.61	\$529.21	\$379.63	\$289.92
1988	\$653.26	\$261.45	\$831.74	\$553.48	\$392.07	\$282.76
1989	\$677.54	\$246.96	\$863.65	\$576.75	\$370.93	\$302.77
1990	\$722.59	\$275.01	\$895.35	\$591.59	\$397.11	\$313.03

Source: Statistics Canada, CANSIM, Matrix 8007. Data are taken from the monthly Survey of Employment, Earnings and Hours (SEPH), a sample survey of 70,000 firms selected out of a universe of 700,000. It is the only survey that provides statistics on employment and earnings for all S.I.C. industries (1970 Classification). The survey underwent major revisions beginning in 1987 resulting in a break in the series. As a result, data presented here incorporate adjustment factors provided by Statistics Canada in the May 1987 issue of Catalogue no. 72-002, *Employment, Earnings and Hours*. Since they are taken from a survey whose reporting unit is the firm, the data presented here differ from those taken from the Labour Force Survey whose reporting unit is the individual.

Note: The annual average for 1983 is based on ten months' data (i.e. March to December).

Average Weekly Earnings in the Transportation Industry Relative to
Average Weekly Earnings in the Industrial Aggregate, 1983-1990

(Per cent)

	Industrial aggregate	Services producing industries	Transport	Air transport	Services incidental to air transport
1983	100.0	93.1	119.7	149.8	99.1
1984	100.0	93.0	118.8	146.7	107.5
1985	100.0	92.6	118.6	144.3	102.7
1986	100.0	92.8	118.7	141.3	109.5
1987	100.0	92.5	119.1	140.9	110.2
1988	100.0	92.5	120.0	140.1	106.9
1989	100.0	92.4	118.3	138.4	104.1
1990	100.0	92.8	116.0	140.3	104.4

	Railway transport	Water transport	Services incidental to water transport	Moving and storage— used goods uncrated	Other truck transport	Bus transport— interurban and rural
1983	138.7	143.6	143.6	88.0	108.7	128.1
1984	141.8	136.9	144.1	86.8	108.8	125.4
1985	140.2	138.9	149.2	91.6	109.1	125.8
1986	144.9	138.0	142.9	92.5	106.0	125.6
1987	143.6	141.2	156.0	84.6	109.3	114.9
1988	150.7	143.6	149.6	85.3	111.6	99.8
1989	150.5	141.7	157.0	87.1	110.3	95.5
1990	152.4	144.8	147.7	79.6	106.1	92.8

	Urban transit systems	Taxicab operations	Pipeline transport	Highway and bridge maintenance	Misc. services incidental to trans.	Other transport
1983	135.7	61.9	164.8	120.2	85.0	67.1
1984	134.0	59.4	166.7	119.6	83.2	63.4
1985	138.1	70.6	168.4	118.3	85.9	63.8
1986	141.0	61.5	171.5	120.1	90.3	60.6
1987	141.6	51.9	179.5	119.6	85.8	65.5
1988	140.9	56.4	179.4	119.4	84.5	61.0
1989	139.2	50.7	177.4	118.5	76.2	62.2
1990	140.9	53.6	174.6	115.4	77.4	61.0

Source: Derived from the data on page E-5.

Average Weekly Earnings in the Transportation Industries Relative to
Average Weekly Earnings in the Aggregate Transportation Industry, 1983-1990

(Per cent)

	Industrial aggregate	Services producing industries	Transport	Air transport	Services incidental to air transport
1983	83.5	77.7	100.0	125.1	82.8
1984	84.1	78.2	100.0	123.5	90.5
1985	84.3	78.1	100.0	121.7	86.6
1986	84.2	78.1	100.0	119.0	92.2
1987	84.0	77.7	100.0	118.3	92.5
1988	83.3	77.1	100.0	116.8	89.1
1989	84.5	78.1	100.0	117.0	88.0
1990	86.2	80.0	100.0	121.0	90.0

	Railway transport	Water transport	Services incidental to water transport	Moving and storage- used goods uncrated	Other truck transport	Bus transport- interurban and rural
1983	115.8	120.0	119.9	73.5	90.8	107.0
1984	119.3	115.2	121.3	73.1	91.6	105.5
1985	118.2	117.1	125.8	77.3	92.0	106.1
1986	122.0	116.2	120.3	77.9	89.3	105.8
1987	120.6	118.5	131.0	71.0	91.7	96.5
1988	125.6	119.7	124.7	71.1	93.1	83.1
1989	127.2	119.7	132.7	73.7	93.2	80.8
1990	131.3	124.9	127.4	68.6	91.5	80.0

	Urban transit systems	Taxicab operations	Pipeline transport	Highway and bridge maintenance	Misc. services incidental to trans.	Other transport
1983	113.3	51.7	137.7	100.4	71.0	56.0
1984	112.7	50.0	140.3	100.6	70.0	53.4
1985	116.4	59.6	142.0	99.7	72.5	53.8
1986	118.7	51.8	144.4	101.1	76.1	51.0
1987	118.9	43.5	150.7	100.4	72.0	55.0
1988	117.4	47.0	149.5	99.5	70.5	50.8
1989	117.6	42.9	150.0	100.1	64.4	52.6
1990	121.5	46.2	150.5	99.5	66.8	52.6

Source: Derived from the data on page E-5.

Employment and Wages, Level I-IV Air Carriers, By Individual Level, 1981-1990

	Level I	Level II	Level III	Levels I-III	Level IV
1. Employment (number)					
1981	40,790	1,459	5,284	47,533	n/a
1982	39,795	1,289	4,823	45,707	n/a
1983	38,508	1,255	4,330	42,093	n/a
1984	36,330	1,424	4,528	42,282	n/a
1985	36,490	2,203	4,638	43,331	n/a
1986	37,334	2,737	5,419	45,490	n/a
1987	37,485	2,949	5,923	46,357	n/a
1988	38,802	3,045	6,183	48,030	4,509
1989	40,044	3,507	7,119	50,670	5,221
1990	39,840	4,071	8,265	52,176	5,221
2. Total wages (\$'000s)					
1981	1,123,826	31,236	123,519	1,278,580	n/a
1982	1,225,977	32,024	114,890	1,372,892	n/a
1983	1,231,441	32,173	107,251	1,370,866	n/a
1984	1,288,184	35,012	108,818	1,431,994	n/a
1985	1,355,172	52,037	120,241	1,527,450	n/a
1986	1,419,007	67,256	144,684	1,630,947	n/a
1987	1,423,739	77,912	162,972	1,664,623	n/a
1988	1,544,172	80,247	188,195	1,792,614	111,175
1989	1,677,395	101,322	212,368	1,991,085	150,502
1990	1,763,443	117,491	246,258	2,127,192	126,250
3. Average annual wage (\$)					
1981	\$27,552	\$21,409	\$23,376	\$26,899	n/a
1982	\$30,807	\$24,844	\$24,852	\$30,037	n/a
1983	\$33,731	\$25,636	\$24,769	\$32,568	n/a
1984	\$35,457	\$24,587	\$24,032	\$33,868	n/a
1985	\$37,138	\$23,621	\$25,925	\$35,251	n/a
1986	\$38,008	\$24,573	\$26,699	\$35,853	n/a
1987	\$37,982	\$26,420	\$27,515	\$35,909	n/a
1988	\$39,796	\$26,352	\$27,204	\$37,323	\$24,656
1989	\$41,889	\$28,695	\$29,829	\$39,295	\$28,826
1990	\$44,263	\$28,861	\$29,795	\$40,770	\$24,181
4. Percentage distribution of employment by level					
1981	85.8	3.1	11.1	100.0	n/a
1982	87.1	2.8	10.1	100.0	n/a
1983	86.7	3.0	10.3	100.0	n/a
1984	85.9	3.4	10.7	100.0	n/a
1985	84.2	5.1	10.7	100.0	n/a
1986	82.1	6.0	11.9	100.0	n/a
1987	80.9	6.4	12.8	100.0	n/a
1988	80.8	6.3	12.9	100.0	n/a
1989	79.0	6.9	14.1	100.0	n/a
1990	76.4	7.8	15.8	100.0	n/a
5. Percentage distribution of total wages by level					
1981	87.9	2.4	9.7	100.0	n/a
1982	89.3	2.3	8.4	100.0	n/a
1983	89.8	2.3	7.8	100.0	n/a
1984	90.0	2.4	7.6	100.0	n/a
1985	88.7	3.4	7.9	100.0	n/a
1986	87.0	4.1	8.9	100.0	n/a
1987	85.5	4.7	9.8	100.0	n/a
1988	86.1	4.5	9.4	100.0	n/a
1989	84.2	5.1	10.7	100.0	n/a
1990	82.9	5.5	11.6	100.0	n/a
6. Average annual wage relative to total average annual wage					
1981	102.4	79.6	63.9	100.0	n/a
1982	102.6	82.7	82.7	100.0	n/a
1983	103.6	78.7	76.1	100.0	n/a
1984	104.7	72.6	71.0	100.0	n/a
1985	105.4	67.0	73.5	100.0	n/a
1986	106.0	68.5	74.5	100.0	n/a
1987	105.8	73.6	76.6	100.0	n/a
1988	106.6	70.6	72.9	100.0	n/a
1989	106.6	73.5	75.9	100.0	n/a
1990	106.6	70.8	73.1	100.0	n/a

Sources: 1981-1987: Statistics Canada, *Air Carrier Operations in Canada*, Catalogue no. 51-002, Table 7. Data were taken from the fourth quarter issues of this catalogue; 1988-1990: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 51-206, pp. 24-25. Unrevised data were used because no revised data were given for Level I.

Notes: 1) Data were imputed in Section 1 for Levels II and III for 1988-1990, based on shares of total Level II and III data of .330 and .670; 2) Wages in section 2 were decomposed in the same manner using shares of .323 and .677.

Employment and Wages by Occupation, Level I-III Air Carriers, 1981-1990

	Pilots	Other flight personnel	Management/ administration	Main- tenance	Aircraft servicing	Other employees	Total
1. Employment (number)							
1981	5,686	6,375	2,176	9,499	15,507	8,291	47,534
1982	5,208	6,181	2,055	8,797	15,503	7,963	45,707
1983	4,915	5,790	1,931	7,877	14,319	7,281	42,083
1984	4,887	5,792	2,136	8,074	14,645	7,082	42,282
1985	5,134	5,660	2,335	8,394	15,251	7,162	43,330
1986	5,534	6,476	2,451	8,384	15,251	7,393	45,489
1987	5,885	6,468	4,135	8,076	14,348	7,844	46,356
1988	5,370	7,462	3,864	8,037	15,602	7,774	48,109
1989	5,814	8,444	3,876	7,958	16,414	8,164	50,670
1990	6,082	8,778	3,457	8,987	17,361	7,511	52,176
2. Total wages (\$'000s)							
1981	266,072	142,437	64,812	230,492	358,272	216,495	1,278,580
1982	279,671	150,892	69,110	242,695	399,280	231,245	1,372,892
1983	276,039	155,547	68,637	241,402	399,520	229,721	1,370,866
1984	266,878	163,638	75,103	257,952	423,153	225,270	1,431,994
1985	320,085	165,728	81,836	273,879	448,892	237,032	1,527,450
1986	355,665	182,247	88,897	282,087	471,551	250,499	1,630,947
1987	353,229	182,504	156,816	274,034	435,836	262,204	1,664,623
1988	378,538	213,893	160,913	281,551	475,751	289,039	1,799,685
1989	431,601	251,647	167,565	293,270	505,409	341,593	1,991,085
1990	461,824	265,511	142,111	350,307	554,613	352,826	2,127,192
3. Average annual wage (\$)							
1981	\$46,794	\$22,343	\$29,785	\$24,265	\$23,104	\$26,112	\$26,898
1982	\$53,700	\$24,412	\$33,630	\$27,588	\$25,755	\$29,040	\$30,037
1983	\$56,163	\$26,865	\$35,545	\$30,646	\$27,901	\$31,638	\$32,568
1984	\$58,702	\$28,252	\$35,160	\$31,949	\$29,568	\$31,809	\$33,868
1985	\$62,346	\$29,281	\$35,047	\$32,628	\$30,652	\$33,096	\$35,252
1986	\$64,269	\$28,142	\$36,270	\$33,646	\$30,919	\$33,883	\$35,854
1987	\$62,133	\$28,216	\$37,924	\$33,932	\$30,376	\$34,302	\$35,910
1988	\$70,491	\$28,664	\$41,644	\$35,032	\$30,493	\$37,180	\$37,408
1989	\$74,235	\$29,802	\$43,231	\$36,852	\$30,791	\$41,841	\$39,295
1990	\$75,933	\$30,247	\$41,108	\$38,979	\$31,946	\$46,975	\$40,770
4. Percentage distribution of employment by occupation							
1981	12.0	13.4	4.6	20.0	32.6	17.4	100.0
1982	11.4	13.5	4.5	19.2	33.9	17.4	100.0
1983	11.7	13.8	4.6	18.7	34.0	17.2	100.0
1984	11.6	13.7	5.1	19.1	33.8	16.7	100.0
1985	11.8	13.1	5.4	19.4	33.8	16.5	100.0
1986	12.2	14.2	5.4	18.4	33.5	16.3	100.0
1987	12.3	14.0	8.9	17.4	31.0	16.5	100.0
1988	11.2	15.5	8.0	16.7	32.4	16.2	100.0
1989	11.5	16.7	7.6	15.7	32.4	16.1	100.0
1990	11.7	16.8	6.6	17.2	33.3	14.4	100.0
5. Percentage distribution of total wages by occupation							
1981	20.8	11.1	5.1	18.0	28.0	16.9	100.0
1982	20.4	11.0	5.0	17.7	29.1	16.8	100.0
1983	20.1	11.3	5.0	17.6	29.1	16.8	100.0
1984	20.0	11.4	5.2	18.0	29.5	15.7	100.0
1985	21.0	10.8	5.4	17.9	29.4	15.5	100.0
1986	21.8	11.2	5.5	17.3	28.9	15.4	100.0
1987	21.2	11.0	9.4	16.5	26.2	15.8	100.0
1988	21.0	11.9	8.9	15.6	26.4	16.1	100.0
1989	21.7	12.6	8.4	14.7	25.4	17.2	100.0
1990	21.7	12.5	6.7	16.5	26.1	16.6	100.0
6. Average annual wage relative to total average annual wage							
1981	174.0	83.1	110.7	90.2	85.9	97.1	100.0
1982	178.8	81.3	112.0	91.8	85.7	96.7	100.0
1983	172.4	82.5	109.1	94.1	85.7	97.1	100.0
1984	173.3	83.4	103.8	94.3	87.3	93.9	100.0
1985	176.9	83.1	99.4	92.6	87.0	93.9	100.0
1986	179.3	78.5	101.2	93.8	86.2	94.5	100.0
1987	173.0	78.6	105.6	94.5	84.6	95.5	100.0
1988	188.4	76.6	111.3	93.6	81.5	99.4	100.0
1989	188.9	75.8	110.0	93.8	78.4	106.5	100.0
1990	186.2	74.2	100.8	95.6	78.4	115.2	100.0

Sources: 1981-1987: Statistics Canada, *Air Carrier Operations in Canada*, Catalogue no. 51-002, Table 7. Data were taken from the fourth quarter issues of this catalogue; 1988-1990: Statistics Canada, *Canadian Civil Aviation*, Catalogue no. 51-206, p. 24. Revised data were used, and thus totals differ from Table E-4, which uses unrevised data.

Railway Employment, Hours Worked, and Wages, 1926-1990

	Total employees ('000s)	Hours worked (millions)	Total wages (\$ millions)	Average annual wage (\$)	Average hourly wage (\$)
1926	162.4	408.2	240.2	\$1,479	\$0.59
1927	164.7	418.6	253.8	\$1,541	\$0.61
1928	172.9	440.8	270.1	\$1,562	\$0.61
1929	171.3	434.9	270.5	\$1,579	\$0.62
1930	158.5	389.7	249.2	\$1,572	\$0.64
1931	140.0	326.2	211.7	\$1,512	\$0.65
1932	120.0	271.6	166.5	\$1,388	\$0.61
1933	110.9	248.4	145.6	\$1,313	\$0.59
1934	116.1	265.7	150.8	\$1,299	\$0.57
1935	116.3	267.8	160.0	\$1,378	\$0.60
1936	121.4	283.8	169.4	\$1,395	\$0.60
1937	121.5	288.5	179.1	\$1,474	\$0.62
1938	114.4	267.6	177.8	\$1,554	\$0.66
1939	116.0	274.7	183.0	\$1,578	\$0.67
1940	122.3	296.2	196.8	\$1,609	\$0.66
1941	134.1	333.6	231.7	\$1,728	\$0.69
1942	143.0	359.6	268.0	\$1,881	\$0.75
1943	154.0	394.2	299.4	\$1,944	\$0.76
1944	158.8	401.0	344.8	\$2,171	\$0.86
1945	163.7	406.4	343.3	\$2,097	\$0.84
1946	162.7	403.7	364.1	\$2,238	\$0.90
1947	166.3	409.7	393.5	\$2,366	\$0.96
1948	170.9	424.1	468.6	\$2,742	\$1.10
1949	173.1	419.6	478.2	\$2,763	\$1.14
1950	171.2	410.8	477.3	\$2,788	\$1.16
1951	183.5	425.9	570.7	\$3,110	\$1.34
1952	191.9	421.2	609.7	\$3,177	\$1.45
1953	188.6	404.6	655.5	\$3,476	\$1.62
1954	172.9	366.6	594.3	\$3,437	\$1.62
1955	171.8	369.3	595.9	\$3,469	\$1.61
1956	181.6	375.1	677.4	\$3,730	\$1.81
1957	177.2	357.1	678.0	\$3,826	\$1.90
1958	159.9	323.8	646.4	\$4,043	\$2.00
1959	156.3	315.6	668.8	\$4,279	\$2.12
1960	145.1	290.1	632.3	\$4,358	\$2.18
1961	137.2	272.7	636.9	\$4,642	\$2.34
1962	134.0	266.6	634.1	\$4,732	\$2.38
1963	128.7	260.8	641.6	\$4,985	\$2.46
1964	133.4	293.4	695.6	\$5,214	\$2.37
1965	133.2	294.1	732.3	\$5,498	\$2.49
1966	130.2	284.7	759.0	\$5,829	\$2.67
1967	130.2	285.2	831.9	\$6,389	\$2.92
1968	120.1	263.5	830.8	\$6,918	\$3.15
1969	118.6	260.2	882.2	\$7,438	\$3.39
1970	116.5	256.7	931.2	\$7,993	\$3.63
1971	114.9	252.9	1,003.2	\$8,731	\$3.97
1972	113.8	251.7	1,079.3	\$9,484	\$4.29
1973	110.3	241.1	1,165.2	\$10,564	\$4.83
1974	118.4	261.4	1,442.7	\$12,185	\$5.52
1975	114.5	247.7	1,554.2	\$13,569	\$6.27
1976	110.1	239.1	1,668.1	\$15,153	\$6.98
1977	110.6	238.9	1,814.9	\$16,413	\$7.60
1978	110.2	238.7	1,928.1	\$17,493	\$8.08
1979	112.3	244.7	2,195.2	\$19,546	\$8.97
1980	111.0	240.4	2,379.6	\$21,439	\$9.90
1981	108.0	233.0	2,619.2	\$24,245	\$11.24
1982	95.7	203.7	2,640.4	\$27,605	\$12.96
1983	92.8	199.7	2,739.7	\$29,508	\$13.72
1984	93.6	203.9	2,945.5	\$31,466	\$14.44
1985	91.3	195.1	2,942.7	\$32,221	\$15.09
1986	84.8	182.8	2,914.8	\$34,354	\$15.95
1987	82.2	176.4	2,827.8	\$34,407	\$16.03
1988	77.9	174.3	2,944.7	\$37,816	\$16.89
1989	75.0	167.3	3,907.4	\$38,785	\$17.38
1990	69.1	153.6	2,851.2	\$41,251	\$18.56

Average annual growth rates (%)

1926-1950	0.2	0.0	2.9	2.7	2.9
1950-1975	-1.6	-2.0	4.8	6.5	7.0
1975-1990	-3.3	-3.1	4.1	7.7	7.5
1981-1990	-4.8	-4.5	0.9	6.1	5.7
1926-1990	-1.3	-1.5	3.9	5.3	5.5

Sources: 1926-1945: M.C. Urquhart and K. Buckley, eds., *Historical Statistics of Canada*, 1st ed. (Toronto: Macmillan, 1965), p. 540; 1946-1975: Statistics Canada, *Historical Statistics of Canada*, 2nd ed., ed. F.H. Leacy (Ottawa: Supply and Services, 1983), Series T79-T81; 1976-1981: Statistics Canada, *Railway Transport: Part VI, Employment Statistics*, Catalogue no. 52-212; 1982-1988: Statistics Canada, *Railway Transport in Canada, General Statistics*, Catalogue no. 52-215, Table 18; 1987: Unpublished, revised data from SC; 1988-1990: Statistics Canada, *Rail in Canada*, Cat. no. 52-216, Figure 4.1.

Class I-III Railway Employment, Hours, and Wages, Distributed by Carrier, 1980-1990

	CN	CP	VIA	Class I	Other	Total
1. Employment (number)						
1980	61,937	34,171	4,290	100,398	10,596	110,994
1981	60,746	33,783	3,503	98,032	9,999	108,031
1982	51,653	31,186	3,634	86,473	9,177	95,650
1983	50,117	30,747	3,454	84,318	8,527	92,845
1984	51,987	29,723	3,653	85,363	8,248	93,611
1985	50,272	27,688	5,330	83,290	8,040	91,330
1986	46,074	25,954	4,976	77,004	7,842	84,846
1987	42,182	25,034	7,066	74,282	7,904	82,186
1988	39,400	24,305	6,481	70,186	7,683	77,869
1989	36,503	23,690	6,634	66,827	8,135	74,962
1990	34,413	22,177	4,487	61,077	8,042	69,119
2. Hours ('000s)						
1980	137,225	73,022	9,661	219,908	20,536	240,444
1981	134,632	71,858	7,889	214,379	18,600	232,979
1982	113,759	65,396	7,901	187,056	16,627	203,683
1983	110,675	65,702	7,565	183,942	15,780	199,722
1984	116,534	64,304	7,904	188,742	15,191	203,933
1985	111,499	59,716	9,955	181,170	13,902	195,072
1986	102,274	56,055	11,014	169,343	13,453	182,796
1987	95,403	54,175	12,824	162,402	14,027	176,429
1988	93,800	52,600	13,900	160,300	14,000	174,300
1989	87,000	50,600	14,600	152,200	15,000	167,200
1990	82,600	47,300	9,500	139,400	14,200	153,600
3. Compensation (\$'000s)						
1980	1,367,477	716,870	75,355	2,159,702	219,920	2,379,622
1981	1,531,924	774,546	92,096	2,398,566	220,629	2,619,195
1982	1,463,110	848,600	100,303	2,412,013	228,389	2,640,403
1983	1,506,013	906,162	98,096	2,510,271	229,402	2,739,672
1984	1,662,181	934,289	110,229	2,706,699	238,826	2,945,524
1985	1,666,946	907,436	138,696	2,713,078	229,647	2,942,725
1986	1,596,650	907,474	163,762	2,667,886	246,948	2,914,834
1987	1,497,113	891,623	194,507	2,583,243	244,556	2,827,799
1988	1,505,300	929,600	256,800	2,691,700	253,000	2,944,700
1989	1,446,200	930,200	259,100	2,635,500	271,800	2,907,300
1990	1,442,700	916,500	214,200	2,573,400	277,800	2,851,200
4. Average annual wage (\$)						
1980	\$22,079	\$20,979	\$17,565	\$21,511	\$20,755	\$21,439
1981	\$25,219	\$22,927	\$26,291	\$24,467	\$22,065	\$24,245
1982	\$28,326	\$27,211	\$27,601	\$27,893	\$24,887	\$27,605
1983	\$30,050	\$29,472	\$28,401	\$29,771	\$26,903	\$29,508
1984	\$31,973	\$31,433	\$30,175	\$31,708	\$28,956	\$31,466
1985	\$33,159	\$32,774	\$26,022	\$32,574	\$28,563	\$32,221
1986	\$34,654	\$34,965	\$32,910	\$34,646	\$31,490	\$34,354
1987	\$35,492	\$35,616	\$27,527	\$34,776	\$30,941	\$34,407
1988	\$38,206	\$38,247	\$39,624	\$38,351	\$32,930	\$37,816
1989	\$39,619	\$39,266	\$39,056	\$39,438	\$33,411	\$38,784
1990	\$41,923	\$41,327	\$47,738	\$42,134	\$34,544	\$41,251
5. Average hourly wage (\$)						
1980	\$9.97	\$9.82	\$7.80	\$9.82	\$10.71	\$9.90
1981	\$11.38	\$10.78	\$11.67	\$11.19	\$11.88	\$11.24
1982	\$12.86	\$12.98	\$12.70	\$12.89	\$13.74	\$12.96
1983	\$13.61	\$13.79	\$12.97	\$13.65	\$14.54	\$13.72
1984	\$14.26	\$14.53	\$13.95	\$14.34	\$15.72	\$14.44
1985	\$14.95	\$15.20	\$13.93	\$14.98	\$16.52	\$15.09
1986	\$15.61	\$16.19	\$14.87	\$15.75	\$18.36	\$15.95
1987	\$15.69	\$16.46	\$15.17	\$15.91	\$17.43	\$16.03
1988	\$16.05	\$17.67	\$18.47	\$16.79	\$18.07	\$16.89
1989	\$16.62	\$18.38	\$17.75	\$17.32	\$18.12	\$17.39
1990	\$17.47	\$19.38	\$22.55	\$18.46	\$19.56	\$18.56

Sources: 1980-1981: Statistics Canada, *Railway Transport: Part VI, Employment Statistics*, Catalogue no. 52-212; 1982-1986: Statistics Canada, *Railway Transport in Canada, General Statistics*, Catalogue no. 52-215, Table 18; 1987: Unpublished, revised data from SC; 1988-1990: Statistics Canada, *Rail in Canada*, Cat. no. 52-216, Figure 4.1.

Percentage Distribution of Total Railway Employment,
Hours, and Wages, by Carrier, 1980-1989

	CN	CP	VIA	Class I	Other	Total
1. Employment (%)						
1980	55.8	30.8	3.9	90.5	9.5	100.0
1981	56.2	31.3	3.2	90.7	9.3	100.0
1982	54.0	32.6	3.8	90.4	9.6	100.0
1983	54.0	33.1	3.7	90.8	9.2	100.0
1984	55.5	31.8	3.9	91.2	8.8	100.0
1985	55.0	30.3	5.8	91.2	8.8	100.0
1986	54.3	30.6	5.9	90.8	9.2	100.0
1987	51.3	30.5	8.6	90.4	9.6	100.0
1988	50.6	31.2	8.3	90.1	9.9	100.0
1989	48.7	31.6	8.8	89.1	10.9	100.0
1990	49.8	32.1	6.5	88.4	11.6	100.0
2. Hours (%)						
1980	57.1	30.4	4.0	91.5	8.5	100.0
1981	57.8	30.8	3.4	92.0	8.0	100.0
1982	55.9	32.1	3.9	91.8	8.2	100.0
1983	55.4	32.9	3.8	92.1	7.9	100.0
1984	57.1	31.5	3.9	92.6	7.4	100.0
1985	57.2	30.6	5.1	92.9	7.1	100.0
1986	55.9	30.7	6.0	92.6	7.4	100.0
1987	54.1	30.7	7.3	92.0	8.0	100.0
1988	53.8	30.2	8.0	92.0	8.0	100.0
1989	52.0	30.3	8.7	91.0	9.0	100.0
1990	53.8	30.8	6.2	90.8	9.2	100.0
3. Compensation (%)						
1980	57.5	30.1	3.2	90.8	9.2	100.0
1981	58.5	29.6	3.5	91.6	8.4	100.0
1982	55.4	32.1	3.8	91.4	8.6	100.0
1983	55.0	33.1	3.6	91.6	8.4	100.0
1984	56.4	31.7	3.7	91.9	8.1	100.0
1985	56.6	30.8	4.7	92.2	7.8	100.0
1986	54.8	31.1	5.6	91.5	8.5	100.0
1987	52.9	31.5	6.9	91.4	8.6	100.0
1988	51.1	31.6	8.7	91.4	8.6	100.0
1989	49.7	32.0	8.9	90.7	9.3	100.0
1990	50.6	32.1	7.5	90.3	9.7	100.0
4. Average annual wage relative to total average annual wage						
1980	103.0	97.9	81.9	100.3	96.8	100.0
1981	104.0	94.6	108.4	100.9	91.0	100.0
1982	102.6	98.6	100.0	101.0	90.2	100.0
1983	101.8	99.9	96.2	100.9	91.2	100.0
1984	101.6	99.9	95.9	100.8	92.0	100.0
1985	102.9	101.7	80.8	101.1	88.6	100.0
1986	100.9	101.8	95.8	100.8	91.7	100.0
1987	103.2	103.5	80.0	101.1	89.9	100.0
1988	101.0	101.1	104.8	101.4	87.1	100.0
1989	102.2	101.2	100.7	101.7	86.1	100.0
1990	101.6	100.2	115.7	102.1	83.7	100.0
5. Average hourly wage relative to total average hourly wage						
1980	100.7	99.2	78.8	99.2	108.2	100.0
1981	101.2	95.9	103.8	99.5	105.5	100.0
1982	99.2	100.1	97.9	99.5	106.0	100.0
1983	99.2	100.5	94.5	99.5	106.0	100.0
1984	98.8	100.6	96.6	99.3	108.8	100.0
1985	99.1	100.7	92.4	99.3	109.5	100.0
1986	97.9	101.5	93.2	98.8	115.1	100.0
1987	97.9	102.7	94.6	99.2	108.8	100.0
1988	95.0	104.6	109.4	99.4	107.0	100.0
1989	95.6	105.7	102.1	99.6	104.2	100.0
1990	94.1	104.4	121.5	99.5	105.4	100.0

Sources: See previous page.

Class I-III Railway Employment, Hours, and Wages, Distributed by Main Occupational Group, 1980-1990

	General	Road maintenance	Equipment maintenance	Transportation	Total
1. Employment (number)					
1980	14,041	22,985	30,814	43,154	110,994
1981	14,157	23,071	30,705	40,098	108,031
1982	13,763	21,455	27,556	32,876	95,650
1983	13,032	22,337	26,426	31,050	92,845
1984	12,308	22,774	27,220	31,309	93,611
1985	12,678	21,660	26,461	30,531	91,330
1986	13,556	20,236	23,496	27,558	84,846
1987	13,193	18,736	22,234	28,023	82,186
1988	12,780	18,079	20,545	26,465	77,869
1989	12,298	17,118	20,118	25,428	74,962
1990	11,332	15,712	18,477	23,598	69,119
2. Hours ('000s)					
1980	29,400	52,164	65,256	93,625	240,444
1981	29,531	52,464	64,904	86,081	232,979
1982	28,670	47,139	57,735	70,139	203,683
1983	27,162	49,650	55,873	67,038	199,722
1984	25,755	51,006	57,954	69,217	203,933
1985	26,264	47,605	54,384	66,819	195,072
1986	28,329	44,331	49,767	60,370	182,796
1987	27,726	41,471	47,614	59,617	176,429
1988	26,800	39,600	43,500	64,400	174,300
1989	25,600	37,500	42,300	61,800	167,200
1990	23,500	34,300	38,700	57,200	153,700
3. Compensation (\$'000s)					
1980	314,550	475,245	616,509	973,317	2,379,622
1981	361,738	536,227	688,460	1,032,770	2,619,195
1982	402,310	557,423	706,255	974,415	2,640,403
1983	403,106	617,268	725,018	994,281	2,739,672
1984	401,247	668,431	790,271	1,085,576	2,945,524
1985	435,559	652,414	761,948	1,092,803	2,942,725
1986	487,911	637,958	744,859	1,044,106	2,914,834
1987	481,785	601,238	715,672	1,029,104	2,827,799
1988	505,100	616,100	729,000	1,094,400	2,944,600
1989	500,200	602,700	721,200	1,083,300	2,907,400
1990	508,300	581,700	699,800	1,061,400	2,851,200
4. Average annual wage (\$)					
1980	\$22,402	\$20,676	\$20,007	\$22,555	\$21,439
1981	\$25,552	\$23,242	\$22,422	\$25,756	\$24,245
1982	\$29,231	\$25,981	\$25,630	\$29,639	\$27,605
1983	\$30,932	\$27,634	\$27,436	\$32,022	\$29,508
1984	\$32,600	\$29,351	\$29,033	\$34,673	\$31,466
1985	\$34,356	\$30,121	\$28,795	\$35,793	\$32,221
1986	\$35,992	\$31,526	\$31,702	\$37,888	\$34,354
1987	\$36,518	\$32,090	\$32,188	\$36,724	\$34,407
1988	\$39,523	\$34,078	\$35,483	\$41,353	\$37,815
1989	\$40,673	\$35,209	\$35,848	\$42,603	\$38,785
1990	\$44,855	\$37,023	\$37,874	\$44,978	\$41,251
5. Average hourly wage (\$)					
1980	\$10.70	\$9.11	\$9.45	\$10.40	\$9.90
1981	\$12.25	\$10.22	\$10.61	\$12.00	\$11.24
1982	\$14.03	\$11.83	\$12.23	\$13.89	\$12.96
1983	\$14.84	\$12.43	\$12.98	\$14.83	\$13.72
1984	\$15.58	\$13.10	\$13.64	\$15.68	\$14.44
1985	\$16.58	\$13.70	\$14.01	\$16.35	\$15.09
1986	\$17.22	\$14.39	\$14.97	\$17.30	\$15.95
1987	\$17.38	\$14.50	\$15.03	\$17.26	\$16.03
1988	\$18.85	\$15.56	\$16.76	\$16.99	\$16.89
1989	\$19.54	\$16.07	\$17.05	\$17.53	\$17.39
1990	\$21.63	\$16.96	\$18.08	\$18.56	\$18.55

Sources: 1980-1981: Statistics Canada, *Railway Transport: Part VI, Employment Statistics*, Catalogue no. 52-212; 1982-1986: Statistics Canada, *Railway Transport in Canada, General Statistics*, Catalogue no. 52-215, Table 18; 1987: Unpublished, revised data from SC; 1988-1990: Statistics Canada, *Rail in Canada*, Cat. no. 52-216, Figure 4.1.

Percentage Distribution of Total Railway Employment,
Hours, and Wages, by Main Occupational Group, 1980-1989

	General	Road maintenance	Equipment maintenance	Transportation	Total
1. Employment (%)					
1980	12.7	20.7	27.8	38.9	100.0
1981	13.1	21.4	28.4	37.1	100.0
1982	14.4	22.4	28.8	34.4	100.0
1983	14.0	24.1	28.5	33.4	100.0
1984	13.1	24.3	29.1	33.4	100.0
1985	13.9	23.7	29.0	33.4	100.0
1986	16.0	23.9	27.7	32.5	100.0
1987	16.1	22.8	27.1	34.1	100.0
1988	16.4	23.2	26.4	34.0	100.0
1989	16.4	22.8	26.8	33.9	100.0
2. Hours (%)					
1980	12.2	21.7	27.1	38.9	100.0
1981	12.7	22.5	27.9	36.9	100.0
1982	14.1	23.1	28.3	34.4	100.0
1983	13.6	24.9	28.0	33.6	100.0
1984	12.6	25.0	28.4	33.9	100.0
1985	13.5	24.4	27.9	34.3	100.0
1986	15.5	24.3	27.2	33.0	100.0
1987	15.7	23.5	27.0	33.8	100.0
1988	15.4	22.7	25.0	36.9	100.0
1989	15.3	22.4	25.3	37.0	100.0
3. Compensation (%)					
1980	13.2	20.0	25.9	40.9	100.0
1981	13.8	20.5	26.3	39.4	100.0
1982	15.2	21.1	26.7	36.9	100.0
1983	14.7	22.5	26.5	36.3	100.0
1984	13.6	22.7	26.8	36.9	100.0
1985	14.8	22.2	25.9	37.1	100.0
1986	16.7	21.9	25.6	35.8	100.0
1987	17.0	21.3	25.3	36.4	100.0
1988	17.2	20.9	24.8	37.2	100.0
1989	17.2	20.7	24.8	37.3	100.0
4. Average annual wage relative to total average annual wage					
1980	104.5	96.4	93.3	105.2	100.0
1981	105.4	95.9	92.5	106.2	100.0
1982	105.9	94.1	92.8	107.4	100.0
1983	104.8	93.7	93.0	108.5	100.0
1984	103.6	93.3	92.3	110.2	100.0
1985	106.6	93.5	89.4	111.1	100.0
1986	104.8	91.8	92.3	110.3	100.0
1987	106.1	93.3	93.6	106.7	100.0
1988	104.5	90.1	93.8	109.4	100.0
1989	104.9	90.8	92.4	109.8	100.0
5. Average hourly wage relative to total average hourly wage					
1980	108.1	92.1	95.5	105.0	100.0
1981	109.0	90.9	94.4	106.7	100.0
1982	108.2	91.2	94.4	107.2	100.0
1983	108.2	90.6	94.6	108.1	100.0
1984	107.9	90.7	94.4	108.6	100.0
1985	109.9	90.8	92.9	108.4	100.0
1986	108.0	90.2	93.9	108.5	100.0
1987	108.4	90.5	93.8	107.7	100.0
1988	111.6	92.1	99.2	100.6	100.0
1989	112.4	92.4	98.0	100.8	100.0

Sources: See previous page.

Employment and Compensation in the Intercity Bus Industry, Distributed by Main Occupational Group, 1975-1989

	Transportation	Maintenance/terminal	Administration/general	Sales/advertising	Total
I. Class 1-2 employment (number)					
1975	3,025	1,365	417	146	4,953
1976	3,077	1,608	462	133	5,280
1977	3,330	1,684	460	124	5,598
1978	3,135	1,547	511	115	5,308
1979	3,369	1,629	503	133	5,634
1980	3,290	1,632	540	150	5,612
1981	3,053	1,656	524	139	5,372
1982	3,083	1,792	554	155	5,584
1983	2,902	1,791	563	150	5,406
1984	2,653	1,610	500	88	4,851
1985	2,616	1,610	434	55	4,715
1986	2,581	1,627	517	57	4,782
1987	2,633	1,537	465	65	4,700
1988	2,511	1,421	487	52	4,471
1989	2,475	1,211	451	75	4,212
II. Total industry employment (number)					
1975	3,119	1,385	436	154	5,094
1976	3,150	1,634	476	133	5,393
1977	3,496	1,737	490	124	5,847
1978	3,247	1,572	527	120	5,466
1979	3,446	1,649	526	133	5,754
1980	3,385	1,655	568	150	5,758
1981	3,105	1,665	540	139	5,449
1982	3,150	1,813	571	155	5,689
1983	2,940	1,800	580	150	5,470
1984	2,752	1,630	523	92	4,997
1985	2,706	1,620	456	55	4,837
1986	2,632	1,635	533	57	4,857
1987	2,714	1,550	493	72	4,829
1988	2,511	1,421	487	52	4,471
1989	2,475	1,211	451	75	4,212
III. Class 1-2 compensation (\$'000s)					
1975	43,711	15,389	4,571	2,020	65,690
1976	48,215	20,078	6,065	1,984	76,342
1977	58,295	21,752	6,840	2,423	89,311
1978	62,518	24,330	7,993	2,330	97,171
1979	75,977	30,290	8,911	2,783	117,961
1980	86,570	33,326	10,403	3,160	133,458
1981	88,919	36,857	11,210	3,335	140,322
1982	99,635	45,782	13,631	3,936	162,984
1983	106,007	51,467	14,666	4,415	176,555
1984	103,891	48,679	14,187	3,009	169,765
1985	104,345	49,187	12,826	1,870	168,228
1986	99,500	47,187	14,433	1,847	162,968
1987	95,880	46,856	13,041	2,439	158,216
1988	95,505	42,658	13,574	2,409	154,146
1989	93,204	38,729	15,925	2,490	150,348
IV. Average annual wage--Class 1-2 carriers (\$)					
1975	\$14,450	\$11,274	\$10,961	\$13,833	\$13,263
1976	\$15,669	\$12,486	\$13,127	\$14,915	\$14,459
1977	\$17,506	\$12,917	\$14,870	\$19,544	\$15,954
1978	\$19,942	\$15,727	\$15,642	\$20,263	\$18,306
1979	\$22,552	\$18,594	\$17,716	\$20,923	\$20,937
1980	\$26,313	\$20,420	\$19,264	\$21,064	\$23,781
1981	\$29,125	\$22,257	\$21,394	\$23,994	\$26,121
1982	\$32,318	\$25,548	\$24,604	\$25,391	\$29,188
1983	\$36,529	\$28,736	\$26,051	\$29,435	\$32,659
1984	\$39,160	\$30,235	\$28,373	\$34,191	\$34,996
1985	\$39,887	\$30,551	\$29,552	\$34,002	\$35,679
1986	\$38,551	\$29,003	\$27,918	\$32,411	\$34,079
1987	\$36,415	\$30,485	\$28,045	\$37,529	\$33,663
1988	\$38,035	\$30,020	\$27,872	\$46,325	\$34,477
1989	\$37,658	\$31,981	\$35,310	\$33,202	\$35,695

Source: Statistics Canada, *Passenger Bus and Urban Transit Statistics*, Catalogue no. 53-215.

Notes: 1) In 1988 Class 3 was revised to exclude all carriers earning less than \$250,000 in operating revenues. Since only one carrier qualified on these grounds, its statistics were combined with Classes 1 and 2 data to fulfill confidentiality provisions;
2) In 1989 the survey was revised again to include only Class 1 and 2 carriers (i.e. all carriers earning over \$500,000 in operating revenues).

Employment and Compensation in the Urban Transit Industry, Distributed by Main Occupational Group, 1975-1989

	Transportation	Maintenance/terminal	Administration/general	Sales/advertising	Total
I. Class 1-2 employment (number)					
1975	16,982	7,001	1,677	176	25,836
1976	18,046	7,571	1,599	240	27,456
1977	19,126	7,757	2,369	253	29,505
1978	19,902	8,119	2,074	297	30,392
1979	20,406	8,348	2,118	365	31,237
1980	21,210	8,900	2,070	378	32,558
1981	21,801	9,046	2,187	328	33,362
1982	22,346	8,567	2,580	329	33,822
1983	21,681	8,551	2,984	298	33,514
1984	22,175	8,841	2,973	376	34,365
1985	22,324	9,208	3,269	409	35,210
1986	22,399	9,851	3,150	445	35,845
1987	22,504	9,895	3,198	484	36,081
1988	22,906	9,977	3,431	527	36,841
1989	23,617	10,537	4,121	573	38,848
II. Total industry employment (number)					
1975	17,596	7,129	1,744	188	26,657
1976	18,591	7,690	1,662	255	28,198
1977	19,283	7,775	2,398	256	29,712
1978	20,011	8,135	2,088	300	30,534
1979	20,516	8,363	2,140	365	31,384
1980	21,310	8,919	2,088	378	32,695
1981	21,901	9,069	2,203	328	33,501
1982	22,459	8,584	2,599	329	33,971
1983	21,833	8,576	3,011	298	33,718
1984	22,240	8,851	2,985	377	34,453
1985	22,385	9,215	3,283	409	35,292
1986	22,463	9,864	3,160	447	35,934
1987	22,575	9,905	3,205	486	36,171
1988	22,941	9,980	3,439	529	36,889
1989	23,617	10,537	4,121	573	38,848
III. Class 1-2 compensation (\$'000s)					
1975	236,622	86,422	20,508	2,075	345,627
1976	288,963	106,861	22,137	3,179	421,139
1977	319,426	114,861	31,673	3,157	469,117
1978	356,952	132,282	35,656	3,371	528,262
1979	430,779	160,110	41,933	6,945	639,768
1980	495,149	189,256	49,354	8,745	742,505
1981	594,145	220,770	59,882	8,164	882,961
1982	668,841	252,405	70,612	8,984	1,000,842
1983	720,099	274,986	77,525	9,567	1,082,176
1984	744,277	289,543	86,938	12,585	1,133,343
1985	750,795	301,844	157,564	15,376	1,225,578
1986	804,542	329,520	169,820	18,785	1,322,667
1987	856,041	358,631	135,301	22,950	1,372,922
1988	912,230	387,020	140,889	28,039	1,468,177
1989	967,045	376,915	155,325	34,255	1,533,540
IV. Average annual wage---Class 1-2 carriers (\$)					
1975	\$13,934	\$12,344	\$12,229	\$11,792	\$13,378
1976	\$16,013	\$14,114	\$13,844	\$13,245	\$15,339
1977	\$16,701	\$14,807	\$13,370	\$12,477	\$15,900
1978	\$17,935	\$16,293	\$17,192	\$11,352	\$17,382
1979	\$21,110	\$19,179	\$19,799	\$19,028	\$20,481
1980	\$23,345	\$21,265	\$23,842	\$23,136	\$22,806
1981	\$27,253	\$24,405	\$27,381	\$24,890	\$26,466
1982	\$29,931	\$29,462	\$27,369	\$27,306	\$29,591
1983	\$33,213	\$32,158	\$25,980	\$32,103	\$32,290
1984	\$33,564	\$32,750	\$29,242	\$33,471	\$32,980
1985	\$33,632	\$32,781	\$48,199	\$37,585	\$34,808
1986	\$35,919	\$33,450	\$53,911	\$42,205	\$36,900
1987	\$38,039	\$36,244	\$42,308	\$47,392	\$38,051
1988	\$39,825	\$38,791	\$41,063	\$53,216	\$39,852
1989	\$40,947	\$35,771	\$37,691	\$59,757	\$39,475

Source: Statistics Canada, *Passenger Bus and Urban Transit Statistics*, Catalogue no. 53-215.

Notes: 1) Employment and compensation for "other" employees was estimated after 1984 owing to changes in occupational categories. Data were extrapolated based on the average annual growth rate between 1975 and 1984. A corresponding deduction was made to the administration/general category to ensure consistency with the published totals; 2) In 1989 only Class 1 and 2 carriers were included in the Urban Transit Survey.

Employment in the Other Passenger Bus Establishments, with a Grand Total for the Motor Carrier Passenger Industry, Distributed by Main Occupational Group, 1978-1989

	Transportation	Maintenance/terminal	Administration/general	Sales/advertising	Total
I. School bus establishments					
1978	15,440	1,262	1,144	67	17,913
1979	16,063	1,187	1,338	51	18,639
1980	17,682	1,395	1,482	11	20,570
1981	17,673	1,550	1,547	4	20,774
1982	18,156	1,550	1,700	7	21,413
1983	17,659	1,487	1,638	24	20,808
1984	17,605	1,595	1,523	52	20,775
1985	19,634	1,429	1,604	92	22,759
1986	19,718	1,689	1,743	558	23,708
1987	23,404	1,732	2,012	118	27,266
1988	21,792	1,620	1,588	63	25,063
1989	20,521	1,444	1,243	96	23,304
II. Other passenger bus establishments (e.g. charter, sightseeing operators)					
1978	2,125	536	300	21	2,982
1979	2,071	411	287	14	2,783
1980	2,703	487	353	8	3,551
1981	3,095	509	371	19	3,994
1982	3,192	475	392	27	4,086
1983	3,370	486	402	30	4,288
1984	2,615	449	367	28	3,459
1985	2,547	444	371	64	3,426
1986	2,303	387	327	66	3,083
1987	2,575	411	419	80	3,485
1988	2,507	379	325	37	3,248
1989	2,432	326	289	66	3,113
III. Total other passenger bus establishments (I + II)					
1978	17,565	1,798	1,444	88	20,895
1979	18,134	1,598	1,625	65	21,422
1980	20,385	1,882	1,835	19	24,121
1981	20,768	2,059	1,918	23	24,768
1982	21,348	2,025	2,092	34	25,499
1983	21,029	1,973	2,040	54	25,096
1984	20,220	2,044	1,890	80	24,234
1985	22,181	1,873	1,975	156	26,185
1986	22,021	2,076	2,070	624	26,791
1987	25,979	2,143	2,431	198	30,751
1988	24,299	1,999	1,913	100	28,311
1989	22,953	1,770	1,532	162	26,417
IV. Grand total employment in the motor carrier passenger industry*					
1978	40,823	11,505	4,059	508	56,895
1979	42,096	11,610	4,291	563	58,560
1980	45,080	12,456	4,491	547	62,574
1981	45,774	12,793	4,661	490	63,718
1982	46,957	12,422	5,262	518	65,159
1983	45,802	12,349	5,631	502	64,284
1984	45,212	12,525	5,398	549	63,684
1985	47,272	12,708	5,714	620	66,314
1986	47,116	13,575	5,763	1,128	67,582
1987	51,268	13,598	6,129	756	71,751
1988	49,751	13,400	5,839	681	69,671
1989	49,045	13,518	6,104	810	69,477

Source: Statistics Canada, *Passenger Bus and Urban Transit Statistics*, Catalogue no. 53-215.

*This section is the sum of industry employment in the previous two tables (i.e. intercity bus and urban transit) and Section III in this table. Note that like the other industries, the other passenger bus industry was re-defined in 1989 to include only Class 1 and 2 carriers (i.e. carriers earning over \$500,000 in operating revenues).

Family Average Expenditure on Transportation and Other Items, 1982 and 1986

	1982			1986		
	Average per family	% of total curr. cons.	% of families reporting	Average per family	% of total curr. cons.	% of families reporting
I. PRIVATE TRANSPORTATION	\$2,941.8	14.5	84.2	\$4,235	16.3	85.0
1. Purchase of autos/trucks	\$985.9	4.9	23.6	\$1,953	7.5	28.2
1a. Purchase of automobiles	—	—	—	\$1,805	6.9	23.1
2. Purchase automotive accessories	\$17.1	0.1	13.9	\$22	0.1	14.3
3. Rented and leased autos/trucks	\$48.8	0.2	10.0	\$99	0.4	12.3
4. Operation of autos/trucks	\$1,890.0	9.3	83.2	\$2,162	8.3	84.1
Automotive fuels	\$950.4	4.7	79.4	\$991	3.8	80.4
Tires	\$82.6	0.4	35.8	\$84	0.3	33.3
Batteries	\$13.2	0.1	17.2	\$14	0.1	17.8
Other maintenance/repair supplies	\$73.6	0.4	47.8	\$86	0.3	47.7
Maintenance and repair jobs	\$284.6	1.4	72.0	\$333	1.3	74.0
Oil changes/lubrication	\$42.2	0.2	53.7	\$55	0.2	59.3
Tune-ups	\$48.6	0.2	39.4	\$53	0.2	39.3
Other mechanical/electrical	\$121.5	0.6	40.2	\$145	0.6	39.7
Body (including painting)	\$54.2	0.3	15.4	\$54	0.2	16.0
Other maintenance/repair	\$18.1	0.1	30.9	\$26	0.1	33.2
Parking	\$16.9	0.1	14.8	\$29	0.1	19.4
At dwelling (not included in rent)	\$3.4	0.0	2.1	\$5	0.0	3.0
Other parking	\$13.5	0.1	13.2	\$23	0.1	17.4
Driving lessons	\$5.6	0.0	3.1	\$9	0.0	4.1
Drivers' licenses	\$12.2	0.1	44.4	\$17	0.1	46.4
Insurance premiums	\$382.3	1.9	78.1	\$526	2.0	80.0
Registration fees	\$54.4	0.3	71.4	\$62	0.2	79.1
Other operation services	\$11.0	0.1	24.9	\$11	0.0	22.7
Repairs to others' vehicles	\$3.2	0.0	1.1	—	—	—
II. PUBLIC TRANSPORTATION	\$328.8	1.6	73.3	\$421	1.6	75.6
A. Local and commuter transportation	\$120.7	0.6	61.5	\$162	0.6	63.6
Household movers/storage/delivery	\$6.2	0.0	3.9	\$11	0.0	4.8
Street car/city bus/subway	\$70.2	0.3	44.4	\$95	0.4	44.9
Commuter bus and train	\$7.6	0.0	6.0	\$10	0.0	6.7
Local taxi service	\$25.6	0.1	30.9	\$33	0.1	34.7
Other local transportation	\$11.1	0.1	10.0	\$13	0.1	8.3
B. Intercity transportation	\$208.1	1.0	41.8	\$259	1.0	42.3
Household movers and storage	\$6.4	0.0	1.2	\$8	0.0	1.5
Air	\$168.0	0.8	21.6	\$211	0.8	21.8
Rail	\$10.9	0.1	7.6	\$13	0.1	7.4
Highway bus	\$14.0	0.1	14.6	\$14	0.1	12.6
Other passenger transportation	\$4.8	0.0	5.9	\$9	0.0	10.3
Other intercity transportation	\$4.1	0.0	12.2	\$4	0.0	11.2
Total transportation expenditures	\$3,270.6	16.1	97.9	\$4,656	17.9	98.2
Food	\$4,131.1	20.4	100.0	\$5,013	19.3	100.0
Shelter	\$4,742.0	23.4	99.8	\$5,680	21.9	99.7
Clothing	\$1,650.6	8.1	99.4	\$2,215	8.5	99.5
Health care	\$522.2	2.6	96.8	\$648	2.5	95.9
Recreation	\$1,261.4	6.2	95.6	\$1,771	6.8	95.9
Total current consumption	\$20,252.8	100.0	100.0	\$25,994	100.0	100.0

Sources:

1982: Statistics Canada, *Family Expenditure in Canada 1982*, Catalogue no. 62-555, October 1984, pp. 2.78-2.94.1986: Statistics Canada, *Family Expenditure in Canada 1986*, Catalogue no. 62-555, March 1989, pp. 148-157.

Note: The estimated number of families in 1982 was 8,421,128; in 1986 it was 8,849,370.

Total Family Expenditure on Transportation, 1982 and 1986

	1982			1986		
	Total spending (\$ '000s)	% of total transport	% of total current cons.	Total spending (\$ '000s)	% of total transport	% of total current cons.
I. PRIVATE TRANSPORTATION	24,773,274	89.9	14.5	37,477,082	91.0	22.0
1. Purchase of autos/trucks	8,302,390	30.1	4.9	17,282,820	41.9	7.5
1a. Purchase of automobiles	—	—	—	15,973,113	38.8	6.9
2. Purchase automotive accessories	144,001	0.5	0.1	194,686	0.5	0.1
3. Rented and leased autos/trucks	410,951	1.5	0.2	876,088	2.1	0.4
4. Operation of autos/trucks	15,915,932	57.8	9.3	19,132,338	46.4	8.3
Automotive fuels	8,003,440	29.1	4.7	8,769,726	21.3	3.8
Tires	695,585	2.5	0.4	743,347	1.8	0.3
Batteries	111,159	0.4	0.1	123,891	0.3	0.1
Other maintenance/repair supplies	619,795	2.3	0.4	761,046	1.8	0.3
Maintenance and repair jobs	2,396,653	8.7	1.4	2,946,840	7.2	1.3
Oil changes/lubrication	355,372	1.3	0.2	486,715	1.2	0.2
Tune-ups	409,267	1.5	0.2	469,017	1.1	0.2
Other mechanical/electrical	1,023,167	3.7	0.6	1,283,159	3.1	0.6
Body (including painting)	456,425	1.7	0.3	477,866	1.2	0.2
Other maintenance/repair	152,422	0.6	0.1	230,084	0.6	0.1
Parking	142,317	0.5	0.1	256,632	0.6	0.1
At dwelling (not included in rent)	28,632	0.1	0.0	44,247	0.1	0.0
Other parking	113,685	0.4	0.1	203,536	0.5	0.1
Driving lessons	47,158	0.2	0.0	79,644	0.2	0.0
Drivers' licenses	102,738	0.4	0.1	150,439	0.4	0.1
Insurance premiums	3,219,397	11.7	1.9	4,654,769	11.3	2.0
Registration fees	458,109	1.7	0.3	548,661	1.3	0.2
Other operation services	92,632	0.3	0.1	97,343	0.2	0.0
Repairs to others' vehicles	26,948	0.1	0.0	—	—	—
II. PUBLIC TRANSPORTATION	2,768,867	10.1	1.6	3,725,585	9.0	1.6
A. Local and commuter transportation	1,016,430	3.7	0.6	1,433,598	3.5	0.6
Household movers/storage/delivery	52,211	0.2	0.0	97,343	0.2	0.0
Street car/city bus/subway	591,163	2.1	0.3	840,690	2.0	0.4
Commuter bus and train	64,001	0.2	0.0	88,494	0.2	0.0
Local taxi service	215,581	0.8	0.1	292,029	0.7	0.1
Other local transportation	93,475	0.3	0.1	115,042	0.3	0.1
B. Intercity transportation	1,752,437	6.4	1.0	2,291,987	5.6	1.0
Household movers and storage	53,895	0.2	0.0	70,795	0.2	0.0
Air	1,414,750	5.1	0.8	1,867,217	4.5	0.8
Rail	91,790	0.3	0.1	115,042	0.3	0.1
Highway bus	117,896	0.4	0.1	123,891	0.3	0.1
Other passenger transportation	40,421	0.1	0.0	79,644	0.2	0.0
Other intercity transportation	34,527	0.1	0.0	35,397	0.1	0.0
Total transportation expenditures	27,542,141	100.0	16.1	41,202,667	100.0	17.9
Food	34,788,522	—	20.4	44,361,892	—	19.3
Shelter	39,932,989	—	23.4	50,264,422	—	21.9
Clothing	13,899,914	—	8.1	19,601,355	—	8.5
Health care	4,397,513	—	2.6	5,734,392	—	2.5
Recreation	10,622,411	—	6.2	15,672,234	—	6.8
Total current consumption	170,551,421	—	100.0	230,030,524	—	100.0

Sources:

1982: Statistics Canada, *Family Expenditure in Canada 1982*, Catalogue no. 62-555, October 1984, pp. 2.78-2.94.1986: Statistics Canada, *Family Expenditure in Canada 1986*, Catalogue no. 62-555, March 1989, pp. 148-157.

Notes: 1) The estimated number of families in 1982 was 8,421,128; in 1986 it was 8,849,370; 2) Total spending is simply the average amount spent (from the previous table) times the total number of families.

Family Expenditure on Automotive Fuels, Distributed by Income Quintile, 1986

	Total	Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	80%-95%	>95%
Shares out of total consumption (%)	(Up to \$14,478)	(>\$14,478-\$25,500)	(>\$25,500-\$38,900)	(>\$38,900-\$52,215)	(>\$52,215)	(>\$52,215-\$79,227)	(>\$79,227)	
I. Total number of families at each expenditure share								
0.00	1,738,752	1,026,813	395,878	192,842	76,960	48,639	35,817	11,022
0.50	92,208	-	28,421	37,335	28,452	-	-	-
0.75	67,072	-	-	34,132	32,940	-	-	-
1.00	293,189	56,133	39,388	26,577	30,093	138,968	79,982	59,016
1.25	207,841	-	53,229	41,244	58,342	55,028	55,028	-
1.50	303,288	55,558	49,092	44,040	63,908	90,890	44,124	48,566
1.75	232,673	-	50,785	63,424	64,520	53,964	53,964	-
2.00	377,764	47,120	56,426	80,768	78,708	118,744	58,055	58,889
2.25	278,560	-	69,054	56,130	75,065	78,311	78,311	-
2.50	378,101	83,109	65,596	53,390	95,475	100,531	82,125	38,406
2.75	275,992	-	52,218	75,543	88,138	80,095	80,095	-
3.00	403,751	54,684	65,633	83,525	82,020	117,879	78,725	41,154
3.25	261,806	-	46,581	69,738	67,685	77,624	77,624	-
3.50	359,888	45,051	44,632	58,581	84,131	127,293	72,601	54,682
3.75	263,973	-	54,965	76,845	72,441	59,922	59,922	-
4.00	295,257	51,470	42,591	63,070	59,227	78,899	48,445	32,454
4.25	218,966	-	49,357	47,043	80,925	61,641	61,641	-
4.50	265,308	60,208	32,314	59,784	77,758	35,244	35,244	-
4.75	184,432	-	43,020	49,896	55,098	36,618	36,618	-
5.00	265,550	33,074	41,537	47,733	55,045	88,161	47,969	40,192
5.25	120,414	-	24,952	51,750	43,712	-	-	-
5.50	230,214	33,396	42,605	39,573	41,359	73,281	73,281	-
5.75	114,530	-	41,313	35,686	37,531	-	-	-
6.00	161,117	27,005	27,181	34,860	24,304	47,767	47,767	-
6.25	74,721	-	36,372	38,349	-	-	-	-
6.50	155,059	-	25,357	33,172	59,645	36,885	36,885	-
7.00	209,692	52,650	30,634	50,332	46,796	29,280	29,280	-
7.50	102,599	-	35,882	31,380	35,337	-	-	-
8.00	163,551	32,902	36,127	20,588	36,308	37,626	37,626	-
9.00	212,405	39,359	58,911	49,243	41,499	23,393	23,393	-
10.00	133,937	25,153	33,405	41,919	33,460	-	-	-
11.00	41,173	-	41,173	-	-	-	-	-
12.00	36,844	-	-	36,844	-	-	-	-
14.00	31,029	-	31,029	-	-	-	-	-
>Last entry	298,109	66,635	29,858	37,443	67,253	96,920	36,925	59,995
Total	8,849,365	1,770,130	1,775,296	1,764,377	1,770,131	1,769,431	1,327,245	442,186
Avg. total consumption	\$25,994	\$10,553	\$18,296	\$24,800	\$31,920	\$44,402	\$39,704	\$58,505
Avg. fuel expenditure	\$991	\$260	\$693	\$1,022	\$1,352	\$1,628	\$1,568	\$1,810
Share of total cons.	3.8%	2.5%	3.8%	4.1%	4.2%	3.7%	3.9%	3.1%
Total expenditure (\$ mill.)	\$8,769.7	\$460.8	\$1,230.3	\$1,803.5	\$2,393.7	\$2,881.5	\$2,081.1	\$800.4
Dist. of expenditure	100%	5%	14%	21%	27%	33%	24%	9%
Dist. of families	100%	20%	20%	20%	20%	20%	15%	5%

II. Percentage distribution of families in each quintile

0.00	19.6%	58.0%	22.3%	10.9%	4.3%	2.6%	2.7%	2.5%
0.50	1.0%	-	1.6%	2.1%	1.5%	-	-	-
0.75	0.8%	-	-	1.9%	1.9%	-	-	-
1.00	3.3%	3.2%	2.2%	1.6%	1.7%	7.9%	6.0%	13.3%
1.25	2.3%	-	3.0%	2.3%	3.3%	3.1%	4.1%	-
1.50	3.4%	3.1%	2.8%	2.5%	3.6%	5.1%	3.3%	10.5%
1.75	2.6%	-	2.9%	3.6%	3.0%	3.0%	4.1%	-
2.00	4.3%	2.7%	3.2%	4.6%	4.3%	6.8%	4.4%	13.3%
2.25	3.1%	-	3.9%	3.2%	4.2%	4.4%	5.9%	-
2.50	4.3%	3.6%	3.7%	3.0%	5.4%	5.7%	4.7%	8.7%
2.75	3.1%	-	2.9%	4.3%	5.0%	3.4%	4.5%	-
3.00	4.6%	3.1%	3.7%	4.7%	4.6%	6.7%	5.8%	9.3%
3.25	3.0%	-	2.6%	4.0%	3.8%	4.4%	5.8%	-
3.50	4.1%	2.5%	2.5%	3.3%	4.8%	7.2%	5.5%	12.4%
3.75	3.0%	-	3.1%	4.3%	4.1%	3.4%	4.5%	-
4.00	3.3%	2.9%	2.4%	3.6%	3.3%	4.5%	3.5%	7.3%
4.25	2.5%	-	2.8%	2.7%	3.4%	3.5%	4.6%	-
4.50	3.0%	3.4%	1.8%	3.4%	4.4%	2.0%	2.7%	-
4.75	2.1%	-	2.4%	2.8%	3.1%	2.1%	2.8%	-
5.00	3.0%	1.9%	2.3%	2.7%	3.1%	5.0%	3.6%	9.1%
5.25	1.4%	-	1.4%	2.9%	2.5%	-	-	-
5.50	2.6%	1.9%	2.4%	2.2%	2.3%	4.1%	5.5%	-
5.75	1.3%	-	2.3%	2.0%	2.1%	-	-	-
6.00	1.8%	1.5%	1.5%	2.0%	1.4%	2.7%	3.6%	-
6.25	0.8%	-	2.0%	2.2%	0.0%	-	-	-
6.50	1.8%	-	1.4%	1.9%	3.4%	2.1%	2.8%	-
7.00	2.4%	3.0%	1.7%	2.9%	2.6%	1.7%	2.2%	-
7.50	1.2%	-	2.0%	1.8%	2.0%	-	-	-
8.00	1.8%	1.9%	2.0%	1.2%	2.1%	2.1%	2.8%	-
9.00	2.4%	2.2%	3.3%	2.8%	2.3%	1.3%	1.6%	-
10.00	1.5%	1.4%	1.9%	2.4%	1.9%	-	-	-
11.00	0.5%	-	2.3%	-	-	-	-	-
12.00	0.4%	-	-	2.1%	-	-	-	-
14.00	0.4%	-	1.7%	-	-	-	-	-
>Last entry	3.4%	3.8%	1.7%	2.1%	3.8%	5.5%	2.8%	13.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Family Expenditure on Automotive Fuels, Distributed by Income Quintile, 1986

	Total	Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	80%-95%	>95%
Shares out of total consumption (%)	(Up to \$14,478)	(>\$14,478-\$25,500)	(>\$25,500-\$36,900)	(>\$36,900-\$52,215)	(>\$52,215)	(>\$52,215-\$79,227)	(>\$79,227)	
III. Cumulative percentage distribution of families in each quintile								
0.00	19.6%	58.0%	22.3%	10.9%	4.3%	2.6%	2.7%	2.5%
0.50	20.7%	58.0%	23.9%	13.0%	5.8%	2.6%	2.7%	2.5%
0.75	21.4%	58.0%	23.9%	15.0%	7.7%	2.6%	2.7%	2.5%
1.00	24.8%	61.2%	26.1%	18.6%	9.4%	10.5%	8.7%	15.8%
1.25	27.1%	61.2%	29.1%	18.9%	12.7%	13.6%	12.9%	15.8%
1.50	30.5%	64.3%	31.9%	21.4%	16.3%	18.7%	16.2%	26.4%
1.75	33.2%	64.3%	34.7%	25.0%	20.0%	21.8%	20.2%	26.4%
2.00	37.4%	67.0%	37.9%	29.6%	24.3%	28.4%	24.6%	39.6%
2.25	40.6%	67.0%	41.8%	32.8%	28.5%	32.8%	30.5%	39.6%
2.50	44.9%	70.5%	45.5%	35.8%	33.9%	38.5%	35.2%	48.3%
2.75	48.0%	70.5%	48.4%	40.1%	38.9%	41.9%	39.7%	48.3%
3.00	52.5%	73.6%	52.1%	44.8%	43.5%	48.5%	45.5%	57.6%
3.25	55.5%	73.6%	54.8%	48.6%	47.4%	52.9%	51.4%	57.6%
3.50	59.6%	76.2%	57.3%	52.1%	52.1%	60.1%	56.8%	70.0%
3.75	62.5%	76.2%	60.4%	56.4%	56.2%	63.5%	61.3%	70.0%
4.00	65.8%	79.1%	62.8%	60.0%	59.5%	68.0%	64.8%	77.3%
4.25	68.4%	79.1%	65.5%	62.7%	63.0%	71.4%	68.5%	77.3%
4.50	71.3%	82.5%	67.4%	66.1%	67.4%	73.4%	72.1%	77.3%
4.75	73.4%	82.5%	69.8%	68.9%	70.5%	75.5%	74.9%	77.3%
5.00	76.4%	84.3%	72.1%	71.6%	73.6%	80.5%	78.5%	86.4%
5.25	77.8%	84.3%	73.5%	74.5%	76.1%	80.5%	78.5%	86.4%
5.50	80.4%	86.2%	75.9%	76.8%	78.4%	84.6%	84.0%	86.4%
5.75	81.7%	86.2%	78.3%	78.8%	80.5%	84.6%	84.0%	86.4%
6.00	83.5%	87.8%	79.8%	80.8%	81.9%	87.3%	87.6%	86.4%
6.25	84.4%	87.8%	81.8%	82.9%	81.9%	87.3%	87.6%	86.4%
6.50	86.1%	87.8%	83.3%	84.8%	85.3%	89.4%	90.4%	86.4%
7.00	88.5%	90.7%	85.0%	87.7%	87.9%	91.1%	92.6%	86.4%
7.50	89.6%	90.7%	87.0%	89.5%	89.9%	91.1%	92.6%	86.4%
8.00	91.5%	92.6%	89.1%	90.6%	92.0%	93.2%	95.5%	86.4%
9.00	93.9%	94.8%	92.4%	93.4%	94.3%	94.5%	97.2%	86.4%
10.00	95.4%	96.2%	94.3%	95.8%	96.2%	94.5%	97.2%	86.4%
11.00	95.9%	96.2%	96.6%	95.8%	96.2%	94.5%	97.2%	86.4%
12.00	96.3%	96.2%	96.6%	97.9%	96.2%	94.5%	97.2%	86.4%
14.00	96.6%	96.2%	98.3%	97.9%	96.2%	94.5%	97.2%	86.4%
>Last entry	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

IV. Total expenditure (\$ millions)

0.00	-	-	-	-	-	-	-	-
0.50	\$11.5	-	\$2.8	\$4.6	\$4.2	-	-	-
0.75	\$14.2	-	-	\$6.3	\$7.9	-	-	-
1.00	\$91.5	\$5.9	\$7.2	\$7.1	\$9.6	\$61.7	\$31.8	\$34.5
1.25	\$78.8	-	\$12.2	\$12.8	\$23.3	\$30.5	\$27.3	-
1.50	\$129.7	\$8.8	\$13.5	\$16.4	\$30.6	\$60.4	\$26.3	\$40.9
1.75	\$121.8	-	\$16.3	\$27.5	\$36.0	\$41.9	\$37.5	-
2.00	\$223.3	\$9.9	\$20.8	\$40.1	\$48.0	\$103.7	\$46.1	\$68.7
2.25	\$191.9	-	\$28.4	\$31.3	\$53.9	\$78.2	\$70.0	-
2.50	\$267.5	\$16.6	\$30.0	\$33.1	\$78.2	\$111.6	\$61.7	\$56.2
2.75	\$228.5	-	\$26.3	\$51.5	\$77.4	\$73.4	\$65.6	-
3.00	\$351.0	\$17.3	\$36.0	\$62.1	\$78.5	\$157.0	\$91.4	\$72.2
3.25	\$266.1	-	\$27.7	\$56.2	\$70.2	\$112.0	\$100.2	-
3.50	\$387.9	\$16.6	\$28.6	\$50.8	\$94.0	\$197.8	\$100.9	\$112.0
3.75	\$295.5	-	\$37.7	\$71.3	\$86.7	\$99.8	\$89.2	-
4.00	\$331.2	\$21.7	\$31.2	\$62.6	\$75.6	\$140.1	\$73.8	\$75.9
4.25	\$286.9	-	\$38.4	\$49.6	\$82.7	\$116.3	\$104.0	-
4.50	\$304.0	\$28.6	\$28.6	\$68.7	\$111.7	\$70.4	\$63.0	-
4.75	\$256.7	-	\$37.4	\$56.5	\$83.5	\$77.2	\$69.1	-
5.00	\$398.2	\$17.5	\$38.0	\$59.2	\$87.9	\$195.7	\$95.2	\$117.6
5.25	\$184.6	-	\$24.0	\$67.4	\$73.3	-	-	-
5.50	\$367.8	\$19.4	\$42.9	\$54.0	\$72.6	\$179.0	\$180.0	-
5.75	\$183.2	-	\$43.5	\$50.9	\$68.9	-	-	-
6.00	\$272.6	\$17.1	\$29.8	\$51.9	\$46.5	\$127.3	\$113.8	-
6.25	\$101.0	-	\$41.8	\$59.4	-	-	-	-
6.50	\$313.8	-	\$30.2	\$53.5	\$123.8	\$106.5	\$95.2	-
7.00	\$361.1	\$38.9	\$39.2	\$87.4	\$104.6	\$91.0	\$81.4	-
7.50	\$192.2	-	\$49.2	\$58.4	\$84.6	-	-	-
8.00	\$347.9	\$27.8	\$52.9	\$40.8	\$82.7	\$133.7	\$119.5	-
9.00	\$457.0	\$37.4	\$97.0	\$109.9	\$119.2	\$93.5	\$83.6	-
10.00	\$298.4	\$26.5	\$81.1	\$104.0	\$106.8	-	-	-
11.00	\$82.9	-	\$82.9	-	-	-	-	-
12.00	\$109.6	-	-	\$109.6	-	-	-	-
14.00	\$79.5	-	\$79.5	-	-	-	-	-
>Last entry	\$1,221.8	\$150.6	\$98.0	\$188.6	\$361.9	\$422.7	\$274.8	\$222.4
Total	\$8,769.7	\$460.8	\$1,230.3	\$1,893.5	\$2,393.7	\$2,881.5	\$2,081.1	\$800.4

Family Expenditure on Automotive Fuels, Distributed by Income Quintile, 1986

	Total	Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	80%-95%	>95%
Shares out of total consumption (%)	(Up to \$14,478)	(>\$14,478-\$25,500)	(>\$25,500-\$38,900)	(>\$38,900-\$52,215)	(>\$52,215-\$79,227)	(>\$79,227)		
V. Percentage distribution of total expenditures								
0.00	—	—	—	—	—	—	—	—
0.50	0.1%	—	0.2%	0.3%	0.2%	—	—	—
0.75	0.2%	—	—	0.4%	0.3%	—	—	—
1.00	1.0%	1.3%	0.8%	0.4%	0.3%	—	—	—
1.25	0.9%	—	1.0%	0.7%	1.0%	2.1%	1.5%	4.3%
1.50	1.5%	1.9%	1.1%	0.9%	1.1%	1.1%	1.3%	—
1.75	1.4%	—	1.3%	1.5%	1.3%	2.1%	1.3%	5.1%
2.00	2.5%	2.2%	1.7%	2.2%	1.5%	3.6%	1.8%	—
2.25	2.2%	—	2.3%	1.7%	2.0%	3.6%	2.2%	8.6%
2.50	3.1%	3.6%	2.4%	1.8%	2.3%	2.7%	3.4%	—
2.75	2.6%	—	2.1%	2.9%	3.2%	3.9%	3.0%	7.0%
3.00	4.0%	3.8%	2.9%	3.4%	3.3%	2.5%	3.2%	—
3.25	3.0%	—	2.3%	3.1%	3.3%	5.4%	4.4%	9.0%
3.50	4.4%	3.6%	3.1%	2.8%	3.9%	3.9%	4.8%	—
3.75	3.4%	—	2.3%	4.0%	3.9%	8.9%	4.8%	14.0%
4.00	3.8%	4.7%	2.5%	3.5%	3.2%	3.5%	4.3%	—
4.25	3.3%	—	3.1%	2.7%	3.2%	4.9%	3.5%	9.5%
4.50	3.5%	6.2%	2.2%	3.7%	4.0%	4.7%	5.0%	—
4.75	2.9%	—	3.0%	3.2%	2.4%	3.0%	3.0%	—
5.00	4.5%	3.8%	3.1%	3.3%	2.7%	3.3%	3.3%	—
5.25	1.9%	—	1.9%	3.3%	6.8%	4.6%	4.6%	14.7%
5.50	4.2%	4.2%	3.5%	3.7%	3.1%	—	—	—
5.75	1.9%	—	3.5%	3.0%	3.0%	6.2%	7.7%	—
6.00	3.1%	3.7%	2.8%	2.9%	—	—	—	—
6.25	1.2%	—	2.4%	1.9%	4.4%	5.5%	—	—
6.50	3.6%	—	3.4%	3.3%	—	—	—	—
7.00	4.1%	8.4%	2.5%	3.0%	5.2%	3.7%	4.6%	—
7.50	2.2%	—	3.2%	4.8%	4.4%	3.2%	3.9%	—
8.00	4.0%	—	4.0%	3.2%	3.5%	—	—	—
9.00	5.2%	6.0%	4.3%	2.3%	4.6%	5.7%	—	—
10.00	3.4%	8.1%	7.9%	3.9%	5.0%	4.0%	—	—
11.00	0.9%	5.8%	5.0%	6.1%	3.2%	—	—	—
12.00	1.3%	—	5.8%	4.5%	—	—	—	—
14.00	0.9%	—	—	—	—	—	—	—
>Last entry	13.8%	32.7%	8.0%	10.5%	15.1%	14.7%	13.2%	27.8%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

VI. Cumulative percentage distribution of total expenditures

0.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.50	0.1%	0.0%	0.2%	0.3%	0.2%	0.0%	0.0%	0.0%
0.75	0.3%	0.0%	0.2%	0.6%	0.5%	0.0%	0.0%	0.0%
1.00	1.3%	1.3%	0.8%	1.0%	0.9%	2.1%	1.5%	4.3%
1.25	2.2%	1.3%	1.8%	1.7%	1.9%	3.2%	2.8%	4.3%
1.50	3.7%	3.2%	2.9%	2.6%	3.2%	5.3%	4.1%	9.4%
1.75	5.1%	3.2%	4.2%	4.1%	4.7%	6.8%	5.9%	9.4%
2.00	7.6%	5.4%	5.9%	6.4%	6.7%	10.4%	8.1%	18.0%
2.25	9.8%	5.4%	8.2%	8.1%	9.0%	13.1%	11.5%	18.0%
2.50	12.9%	9.0%	10.6%	9.9%	12.1%	16.9%	14.4%	25.0%
2.75	15.5%	9.0%	12.8%	12.8%	15.4%	19.5%	17.6%	25.0%
3.00	19.5%	12.7%	15.7%	16.2%	18.7%	24.9%	22.0%	34.0%
3.25	22.5%	12.7%	17.9%	19.4%	21.6%	28.8%	26.8%	34.0%
3.50	27.0%	16.3%	20.3%	22.2%	25.5%	35.7%	31.6%	48.0%
3.75	30.3%	16.3%	23.3%	26.1%	29.1%	39.2%	35.9%	48.0%
4.00	34.1%	21.1%	25.9%	29.6%	32.3%	44.0%	39.5%	57.5%
4.25	37.4%	21.1%	29.0%	32.3%	35.8%	48.1%	44.5%	57.5%
4.50	40.8%	27.3%	31.1%	36.0%	40.4%	50.5%	47.5%	57.5%
4.75	43.8%	27.3%	34.2%	39.3%	43.9%	53.2%	50.8%	57.5%
5.00	48.3%	31.0%	37.3%	42.6%	47.6%	60.0%	55.4%	72.2%
5.25	50.2%	31.0%	39.2%	46.3%	50.6%	60.0%	55.4%	72.2%
5.50	54.4%	35.3%	42.7%	49.3%	53.7%	68.2%	63.1%	72.2%
5.75	56.2%	35.3%	46.2%	52.1%	56.5%	68.2%	63.1%	72.2%
6.00	59.3%	39.0%	48.7%	55.0%	58.5%	70.8%	68.6%	72.2%
6.25	60.5%	39.0%	52.0%	58.3%	58.5%	70.8%	68.6%	72.2%
6.50	64.1%	39.0%	54.5%	61.3%	63.7%	74.3%	73.1%	72.2%
7.00	68.2%	47.4%	57.7%	66.1%	68.0%	77.4%	77.0%	72.2%
7.50	70.4%	47.4%	61.7%	69.3%	71.6%	77.4%	77.0%	72.2%
8.00	74.4%	53.4%	66.0%	71.6%	75.4%	82.1%	82.8%	72.2%
9.00	79.6%	61.5%	73.9%	77.7%	80.4%	85.3%	86.8%	72.2%
10.00	83.0%	67.3%	78.8%	83.5%	84.9%	85.3%	86.8%	72.2%
11.00	83.9%	67.3%	85.6%	83.5%	84.9%	85.3%	86.8%	72.2%
12.00	85.2%	67.3%	85.6%	89.5%	84.9%	85.3%	86.8%	72.2%
14.00	88.1%	67.3%	92.0%	89.5%	84.9%	85.3%	86.8%	72.2%
>Last entry	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: Unpublished data from the 1986 Family Expenditure Survey.

Expenditure figures in panel four were derived by multiplying the share of total current consumption devoted to fuels (i.e. column one) with the estimate of total current consumption for each quintile. This dollar amount was then multiplied by the total number of families reporting the given expenditure share in each quintile. Since the last category was open-ended, its dollar expenditure was estimated separately by adjusting its implicit expenditure share until the total expenditure for each quintile matched the actual amount spent by each quintile. The actual amount is produced by multiplying the total number of families in each quintile by the average amount spent by each quintile on fuels.

Family Expenditure on Intercity Public Transportation, Distributed by Income Quintile, 1986

	Total	Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	80%-95%	>95%
Shares out of total consumption (%)	(Up to \$14,478)	(>\$14,478-\$25,500)	(>\$25,500-\$36,900)	(>\$36,900-\$52,215)	(>\$52,215)	(>\$52,215-\$79,227)	(>\$79,227)	
I. Total number of families at each expenditure share								
0.00	5,107,161	1,301,353	1,076,395	1,062,857	926,710	739,846	584,429	155,417
0.05	210,553	—	34,035	52,894	63,078	60,546	60,546	—
0.10	227,625	—	46,897	57,698	75,457	47,573	47,573	—
0.15	140,184	—	24,917	42,747	35,958	36,562	36,562	—
0.20	95,218	—	25,757	34,543	34,918	—	—	—
0.25	188,746	66,674	—	—	27,140	94,932	51,410	43,522
0.30	131,782	—	50,948	40,240	40,594	—	—	—
0.40	129,028	—	43,334	34,916	50,778	—	—	—
0.50	245,458	62,082	28,490	32,042	24,578	98,266	67,152	31,114
0.60	27,849	—	27,849	—	—	—	—	—
0.70	24,394	—	24,394	—	—	—	—	—
0.75	213,281	39,374	—	54,599	65,488	53,820	53,820	—
0.80	23,957	—	23,957	—	—	—	—	—
1.00	259,528	36,430	36,440	40,858	49,957	95,843	61,134	34,709
1.25	154,350	—	42,677	23,181	36,335	52,157	52,157	—
1.50	173,840	54,315	24,834	28,408	34,066	32,217	32,217	—
1.75	96,653	—	23,891	—	31,501	41,261	41,261	—
2.00	237,234	48,149	24,435	45,075	32,964	86,611	26,571	60,040
2.50	160,740	23,734	43,560	43,176	50,270	—	—	—
3.00	233,849	30,922	21,891	33,237	41,620	106,179	66,301	39,878
3.50	23,643	—	23,643	—	—	—	—	—
4.00	217,433	32,857	24,580	29,363	53,599	77,034	48,353	28,681
5.00	133,292	17,107	16,817	31,549	28,033	39,786	39,786	—
7.00	130,359	21,417	37,696	36,371	—	34,875	34,875	—
> Last entry	263,208	35,716	47,859	40,623	67,087	71,923	23,098	48,825
Total	8,849,365	1,770,130	1,775,296	1,764,377	1,770,131	1,769,431	1,327,245	442,186
Avg. total consumption	\$25,994	\$10,553	\$18,296	\$24,800	\$31,920	\$44,402	\$39,704	\$58,505
Avg. i/c expenditure	\$259	\$70	\$158	\$210	\$269	\$588	\$430	\$1,062
Share of total cons.	1.0%	0.7%	0.9%	0.8%	0.8%	1.3%	1.1%	1.8%
Total expenditure (\$ mill.)	\$2,292.0	\$124.3	\$280.7	\$370.6	\$476.2	\$1,040.3	\$570.7	\$469.6
Dist. of expenditure	100%	5%	12%	16%	21%	45%	25%	20%
Dist. of families	100%	20%	20%	20%	20%	20%	15%	5%

II. Percentage distribution of families in each quintile

0.00	57.7%	73.5%	60.6%	60.2%	52.4%	41.8%	44.0%	35.1%
0.05	2.4%	—	1.9%	3.0%	3.6%	3.4%	4.6%	—
0.10	2.6%	—	2.6%	3.3%	4.3%	2.7%	3.6%	—
0.15	1.6%	—	1.4%	2.4%	2.0%	2.1%	2.8%	—
0.20	1.1%	—	1.5%	2.0%	2.0%	—	—	—
0.25	2.1%	3.8%	—	—	1.5%	5.4%	3.9%	9.8%
0.30	1.5%	—	2.9%	2.3%	2.3%	—	—	—
0.40	1.5%	—	2.4%	2.0%	2.9%	—	—	—
0.50	2.8%	3.5%	1.6%	1.8%	1.4%	5.6%	5.1%	7.0%
0.60	0.3%	—	1.6%	—	—	—	—	—
0.70	0.3%	—	1.4%	—	—	—	—	—
0.75	2.4%	2.2%	—	3.1%	3.7%	3.0%	4.1%	—
0.80	0.3%	—	1.3%	—	—	—	—	—
1.00	2.9%	2.1%	2.1%	2.3%	2.8%	5.4%	4.6%	7.8%
1.25	1.7%	—	2.4%	1.3%	2.1%	2.9%	3.9%	—
1.50	2.0%	3.1%	1.4%	1.6%	1.9%	1.8%	2.4%	—
1.75	1.1%	—	1.3%	—	1.8%	2.3%	3.1%	—
2.00	2.7%	2.7%	1.4%	2.6%	1.9%	4.9%	2.0%	13.6%
2.50	1.8%	1.3%	2.5%	2.4%	2.8%	—	—	—
3.00	2.6%	1.7%	1.2%	1.9%	2.4%	6.0%	5.0%	9.0%
3.50	0.3%	—	1.3%	—	—	—	—	—
4.00	2.5%	1.9%	1.4%	1.7%	3.0%	4.4%	3.6%	6.5%
5.00	1.5%	1.0%	0.9%	1.8%	1.6%	2.2%	3.0%	—
7.00	1.5%	1.2%	2.1%	2.1%	0.0%	2.0%	2.6%	—
> Last entry	3.0%	2.0%	2.7%	2.3%	3.8%	4.1%	1.7%	11.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Family Expenditure on Intercity Public Transportation, Distributed by Income Quintile, 1986

	Total	Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	80%-95%	>95%
Shares out of total consumption (%)	(Up to \$14,478)	(>\$14,478 - \$25,500)	(>\$25,500 - \$36,900)	(>\$36,900 - \$52,215)	(>\$52,215)	(>\$52,215 - \$79,227)	(>\$79,227)	
III. Cumulative percentage distribution of families in each quintile								
0.00	57.7%	73.5%	60.6%	60.2%	52.4%	41.8%	44.0%	35.1%
0.05	60.1%	73.5%	62.5%	63.2%	55.9%	45.2%	48.6%	35.1%
0.10	62.7%	73.5%	65.2%	66.5%	60.2%	47.9%	52.2%	35.1%
0.15	64.2%	73.5%	66.6%	68.9%	62.2%	50.0%	54.9%	35.1%
0.20	65.3%	73.5%	68.0%	70.9%	64.2%	50.0%	54.9%	35.1%
0.25	67.5%	77.3%	68.0%	70.9%	65.7%	55.4%	58.8%	45.0%
0.30	68.9%	77.3%	70.9%	73.2%	68.0%	55.4%	58.8%	45.0%
0.40	70.4%	77.3%	73.4%	75.1%	70.9%	55.4%	58.8%	45.0%
0.50	73.2%	80.8%	75.0%	77.0%	72.3%	60.9%	63.9%	52.0%
0.60	73.5%	80.8%	76.5%	77.0%	72.3%	60.9%	63.9%	52.0%
0.70	73.8%	80.8%	77.9%	77.0%	72.3%	60.9%	63.9%	52.0%
0.75	76.2%	83.0%	77.9%	80.1%	76.0%	63.9%	67.9%	52.0%
0.80	76.4%	83.0%	79.3%	80.1%	76.0%	63.9%	67.9%	52.0%
1.00	79.4%	85.1%	81.3%	82.4%	78.8%	69.4%	72.5%	59.9%
1.25	81.1%	85.1%	83.7%	83.7%	80.8%	72.3%	76.5%	59.9%
1.50	83.1%	88.1%	85.1%	85.3%	82.8%	74.1%	78.9%	59.9%
1.75	84.2%	88.1%	86.5%	85.3%	84.5%	76.5%	82.0%	59.9%
2.00	86.9%	90.9%	87.8%	87.9%	86.4%	81.4%	84.0%	73.5%
2.50	88.7%	92.2%	90.3%	90.3%	89.2%	81.4%	84.0%	73.5%
3.00	91.3%	93.9%	91.5%	92.2%	91.6%	87.4%	89.0%	82.5%
3.50	91.6%	93.9%	92.8%	92.2%	91.6%	87.4%	89.0%	82.5%
4.00	94.0%	95.8%	94.2%	93.8%	94.6%	91.7%	92.6%	89.0%
5.00	95.6%	96.8%	95.2%	95.6%	96.2%	94.0%	95.6%	89.0%
7.00	97.0%	98.0%	97.3%	97.7%	96.2%	95.9%	98.3%	89.0%
>Last entry	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

IV. Total expenditure (\$ millions)

0.00	-	-	-	-	-	-	-	-
0.05	\$3.3	-	\$0.3	\$0.7	\$1.0	\$1.3	\$1.2	-
0.10	\$6.8	-	\$0.9	\$1.4	\$2.4	\$2.1	\$1.9	-
0.15	\$6.4	-	\$0.7	\$1.6	\$1.7	\$2.4	\$2.2	-
0.20	\$4.9	-	\$0.9	\$1.7	\$2.2	-	-	-
0.25	\$14.5	\$1.8	-	-	\$2.2	\$10.5	\$5.1	\$6.4
0.30	\$9.7	-	\$2.8	\$3.0	\$3.9	-	-	-
0.40	\$13.1	-	\$3.2	\$3.5	\$6.5	-	-	-
0.50	\$35.6	\$3.3	\$2.6	\$4.0	\$3.9	\$21.8	\$13.3	\$9.1
0.60	\$3.1	-	\$3.1	-	-	-	-	-
0.70	\$3.1	-	\$3.1	-	-	-	-	-
0.75	\$46.9	\$3.1	-	\$10.2	\$15.7	\$17.9	\$16.0	\$0.0
0.80	\$3.5	-	\$3.5	-	-	-	-	-
1.00	\$79.1	\$3.8	\$6.7	\$10.1	\$15.9	\$42.6	\$24.3	\$20.3
1.25	\$60.4	-	\$9.8	\$7.2	\$14.5	\$28.9	\$25.9	-
1.50	\$63.7	\$8.6	\$6.8	\$10.6	\$16.3	\$21.5	\$19.2	-
1.75	\$57.3	-	\$7.6	-	\$17.6	\$32.1	\$28.7	-
2.00	\$139.4	\$10.2	\$8.9	\$22.4	\$21.0	\$76.9	\$21.1	\$70.3
2.50	\$93.1	\$6.3	\$19.9	\$26.8	\$40.1	-	-	-
3.00	\$227.8	\$9.8	\$12.0	\$24.7	\$39.9	\$141.4	\$79.0	\$70.0
3.50	\$15.1	-	\$15.1	-	-	-	-	-
4.00	\$266.2	\$13.9	\$18.0	\$29.1	\$68.4	\$136.8	\$76.8	\$67.1
5.00	\$196.6	\$9.0	\$15.4	\$39.1	\$44.7	\$88.3	\$79.0	-
7.00	\$235.6	\$15.8	\$48.3	\$63.1	-	\$108.4	\$96.9	-
>Last entry	\$706.6	\$38.7	\$91.1	\$111.5	\$158.1	\$307.2	\$80.2	\$226.5
Total	\$2,292.0	\$124.3	\$280.7	\$370.6	\$476.2	\$1,040.3	\$570.7	\$469.6

Family Expenditure on Intercity Public Transportation, Distributed by Income Quintile, 1986

	Total	Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	80%-95%	>95%
Shares out of total consumption (%)	(Up to \$14,478)	(>\$14,478-\$25,500)	(>\$25,500-\$36,900)	(>\$36,900-\$52,215)	(>\$52,215)	(>\$52,215-\$79,227)	(>\$79,227)	
V. Percentage distribution of total expenditures								
0.00	—	—	—	—	—	—	—	—
0.05	0.1%	—	0.1%	0.2%	0.2%	0.1%	0.2%	—
0.10	0.3%	—	0.3%	0.4%	0.5%	0.2%	0.3%	—
0.15	0.3%	—	0.2%	0.4%	0.4%	0.2%	0.4%	—
0.20	0.2%	—	0.3%	0.5%	0.5%	—	—	—
0.25	0.6%	1.4%	—	0.0%	0.5%	1.0%	0.9%	1.4%
0.30	0.4%	—	1.0%	0.8%	0.8%	—	—	—
0.40	0.6%	—	1.1%	0.9%	1.4%	—	—	—
0.50	1.6%	2.6%	0.9%	1.1%	0.8%	2.1%	2.3%	1.9%
0.60	0.1%	—	1.1%	—	—	—	—	—
0.70	0.1%	—	1.1%	—	—	—	—	—
0.75	2.0%	2.5%	—	2.7%	3.3%	1.7%	2.8%	—
0.80	0.2%	—	1.2%	—	—	—	—	—
1.00	3.5%	3.1%	2.4%	2.7%	3.3%	4.1%	4.3%	4.3%
1.25	2.6%	—	3.5%	1.9%	3.0%	2.8%	4.5%	—
1.50	2.8%	6.9%	2.4%	2.9%	3.4%	2.1%	3.4%	—
1.75	2.5%	—	2.7%	—	3.7%	3.1%	5.0%	—
2.00	6.1%	8.2%	3.2%	6.0%	4.4%	7.4%	3.7%	15.0%
2.50	4.1%	5.0%	7.1%	7.2%	8.4%	—	0.0%	—
3.00	9.9%	7.9%	4.3%	6.7%	8.4%	13.6%	13.8%	14.9%
3.50	0.7%	—	5.4%	—	—	—	—	—
4.00	11.6%	11.2%	6.4%	7.9%	14.4%	13.2%	13.5%	14.3%
5.00	8.6%	7.3%	5.5%	10.6%	9.4%	8.5%	13.8%	—
7.00	10.3%	12.7%	17.2%	17.0%	—	10.4%	17.0%	—
> Last entry	30.8%	31.2%	32.4%	30.1%	33.2%	29.5%	14.1%	48.2%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

VI. Cumulative percentage distribution of total expenditures

0.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.05	0.1%	0.0%	0.1%	0.2%	0.2%	0.1%	0.2%	0.0%
0.10	0.4%	0.0%	0.4%	0.6%	0.7%	0.3%	0.5%	0.0%
0.15	0.7%	0.0%	0.7%	1.0%	1.1%	0.6%	0.9%	0.0%
0.20	0.9%	0.0%	1.0%	1.5%	1.5%	0.6%	0.9%	0.0%
0.25	1.6%	1.4%	1.0%	1.5%	2.0%	1.6%	1.8%	1.4%
0.30	2.0%	1.4%	2.0%	2.3%	2.8%	1.6%	1.8%	1.4%
0.40	2.6%	1.4%	3.1%	3.2%	4.2%	1.6%	1.8%	1.4%
0.50	4.1%	4.1%	4.1%	4.3%	5.0%	3.7%	4.2%	3.3%
0.60	4.2%	4.1%	5.1%	4.3%	5.0%	3.7%	4.2%	3.3%
0.70	4.4%	4.1%	6.3%	4.3%	5.0%	3.7%	4.2%	3.3%
0.75	6.4%	6.6%	6.3%	7.0%	8.3%	5.4%	7.0%	3.3%
0.80	6.6%	6.6%	7.5%	7.0%	8.3%	5.4%	7.0%	3.3%
1.00	10.0%	9.7%	9.9%	9.7%	11.6%	9.5%	11.2%	7.6%
1.25	12.7%	9.7%	13.4%	11.7%	14.7%	12.3%	15.7%	7.6%
1.50	15.5%	16.6%	15.8%	14.5%	18.1%	14.3%	19.1%	7.6%
1.75	18.0%	16.6%	18.5%	14.5%	21.8%	17.4%	24.1%	7.6%
2.00	24.0%	24.7%	21.7%	20.6%	26.2%	27.8%	27.8%	22.6%
2.50	28.1%	29.8%	28.8%	27.8%	34.7%	24.8%	27.8%	22.6%
3.00	38.0%	37.7%	33.1%	34.5%	43.0%	38.4%	41.7%	37.5%
3.50	38.7%	37.7%	38.5%	34.5%	43.0%	38.4%	41.7%	37.5%
4.00	50.3%	48.8%	44.9%	42.3%	57.4%	51.6%	55.1%	51.8%
5.00	58.9%	56.1%	50.4%	52.9%	66.8%	60.0%	69.0%	51.8%
7.00	69.2%	68.8%	67.6%	69.9%	66.8%	70.5%	85.9%	51.8%
> Last entry	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: Unpublished data from the 1986 Family Expenditure Survey.

Expenditure figures in panel four were derived by multiplying the share of total current consumption devoted to intercity public transportation (i.e. column one) with the estimate of total current consumption for each quintile. This dollar amount was then multiplied by the total number of families reporting the given expenditure share in each quintile. Since the last category was open-ended, its dollar expenditure was estimated separately by adjusting its implicit expenditure share until the total expenditure for each quintile matched the actual amount spent by each quintile. The actual amount is produced by multiplying the total number of families in each quintile by the average amount spent by each quintile on intercity public transportation.

Family Expenditure on Intercity Air Transportation, Distributed by Income Quintile, 1986

	Total	Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	80%-95%	>95%
Shares out of total consumption (%)	(Up to \$14,478)	(>\$14,478-\$25,500)	(>\$25,500-\$36,900)	(>\$36,900-\$52,215)	(>\$52,215-\$79,227)	(>\$79,227)		
I. Total number of families at each expenditure share								
0.00	6,921,406	1,604,831	1,493,954	1,418,648	1,327,076	1,076,897	862,195	214,702
0.50	148,463	—	—	31,008	43,410	74,045	44,841	29,204
0.75	113,066	—	—	32,453	40,155	40,458	40,458	—
1.00	201,539	—	46,694	29,180	37,921	87,744	51,846	35,898
1.25	74,684	—	—	—	24,743	49,941	49,941	—
1.50	173,441	—	37,634	39,508	34,497	61,802	31,934	29,868
1.75	62,494	—	—	—	25,097	37,397	37,397	—
2.00	208,519	56,356	37,415	35,035	28,731	50,982	21,574	29,408
2.50	112,666	—	—	36,348	45,010	31,308	31,308	—
3.00	178,066	—	37,498	31,045	36,669	72,854	30,405	42,449
4.00	201,993	53,825	37,775	27,922	46,969	35,502	35,502	—
4.50	22,020	—	—	—	—	22,020	—	22,020
5.00	57,366	—	—	—	21,876	35,490	35,490	—
6.00	96,304	22,469	36,493	37,342	—	—	—	—
>Last entry	277,338	32,649	47,833	45,888	57,977	92,991	54,354	38,637
Total	8,849,365	1,770,130	1,775,296	1,764,377	1,770,131	1,769,431	1,327,245	442,186
Avg. total consumption	\$25,994	\$10,553	\$18,296	\$24,800	\$31,920	\$44,402	\$39,704	\$58,505
Avg. air expenditure	\$211	\$45	\$113	\$166	\$219	\$511	\$369	\$937
Share of total cons.	0.8%	0.4%	0.6%	0.7%	0.7%	1.2%	0.9%	1.6%
Total expenditure (\$ mill.)	\$1,867.2	\$80.4	\$201.4	\$293.6	\$387.7	\$904.1	\$489.8	\$414.3
Dist. of expenditure	100%	4%	11%	16%	21%	48%	26%	22%
Dist. of families	100%	20%	20%	20%	20%	20%	15%	5%

II. Percentage distribution of families in each quintile

0.00	78.2%	90.7%	84.2%	80.4%	75.0%	60.9%	65.0%	48.6%
0.50	1.7%	—	—	1.8%	2.5%	4.2%	3.4%	6.6%
0.75	1.3%	—	—	1.8%	2.3%	2.3%	3.0%	—
1.00	2.3%	—	2.6%	1.7%	2.1%	5.0%	3.9%	8.1%
1.25	0.8%	—	—	—	1.4%	2.8%	3.8%	—
1.50	2.0%	—	2.1%	2.2%	1.9%	3.5%	2.4%	6.8%
1.75	0.7%	—	—	—	1.4%	2.1%	2.8%	—
2.00	2.4%	3.2%	2.1%	2.0%	1.6%	2.9%	1.6%	6.7%
2.50	1.3%	—	—	2.1%	2.5%	1.8%	2.4%	—
3.00	2.0%	—	2.1%	1.8%	2.1%	4.1%	2.3%	9.6%
4.00	2.3%	3.0%	2.1%	1.6%	2.7%	2.0%	2.7%	—
4.50	0.2%	—	—	—	—	1.2%	—	5.0%
5.00	0.6%	—	—	—	1.2%	2.0%	2.7%	—
6.00	1.1%	1.3%	2.1%	2.1%	—	—	—	—
>Last entry	3.1%	1.8%	2.7%	2.6%	3.3%	5.3%	4.1%	8.7%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

III. Cumulative percentage distribution of families in each quintile

0.00	78.2%	90.7%	84.2%	80.4%	75.0%	60.9%	65.0%	48.6%
0.50	79.9%	90.7%	84.2%	82.2%	77.4%	65.0%	68.3%	55.2%
0.75	81.2%	90.7%	84.2%	84.0%	79.7%	67.3%	71.4%	55.2%
1.00	83.4%	90.7%	86.8%	85.7%	81.8%	72.3%	75.3%	63.3%
1.25	84.3%	90.7%	86.8%	85.7%	83.2%	75.1%	79.1%	63.3%
1.50	86.3%	90.7%	88.9%	87.9%	85.2%	78.6%	81.5%	70.0%
1.75	87.0%	90.7%	88.9%	87.9%	86.6%	80.7%	84.3%	70.0%
2.00	89.3%	93.8%	91.0%	89.9%	88.2%	83.6%	85.9%	76.7%
2.50	90.6%	93.8%	91.0%	91.9%	90.8%	85.4%	88.3%	76.7%
3.00	92.6%	93.8%	93.1%	93.7%	92.8%	89.5%	90.6%	86.3%
4.00	94.9%	96.9%	95.3%	95.3%	95.5%	91.5%	93.2%	86.3%
4.50	95.1%	96.9%	95.3%	95.3%	95.5%	92.7%	93.2%	91.3%
5.00	95.8%	96.9%	95.3%	95.3%	96.7%	94.7%	95.9%	91.3%
6.00	96.9%	98.2%	97.3%	97.4%	96.7%	94.7%	95.9%	91.3%
>Last entry	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Family Expenditure on Intercity Air Transportation, Distributed by Income Quintile, 1986

	Total	Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	80%-95%	>95%
Shares out of total consumption (%)	(Up to \$14,478)	(>\$14,478-\$25,500)	(>\$25,500-\$36,900)	(>\$36,900-\$52,215)	(>\$52,215)	(>\$52,215-\$79,227)		(>\$79,227)
IV. Total expenditure (\$ millions)								
0.00	—	—	—	—	—	—	—	—
0.50	\$27.2	—	—	\$3.8	\$6.9	\$16.4	\$8.9	\$8.5
0.75	\$29.1	—	—	\$6.0	\$9.6	\$13.5	\$12.0	—
1.00	\$66.8	—	\$8.5	\$7.2	\$12.1	\$39.0	\$20.6	\$21.0
1.25	\$37.6	—	—	—	\$9.9	\$27.7	\$24.8	—
1.50	\$82.7	—	\$10.3	\$14.7	\$16.5	\$41.2	\$19.0	\$26.2
1.75	\$43.1	—	—	—	\$14.0	\$29.1	\$26.0	—
2.00	\$106.6	\$11.9	\$13.7	\$17.4	\$18.3	\$45.3	\$17.1	\$34.4
2.50	\$93.2	—	—	\$22.5	\$35.9	\$34.8	\$31.1	—
3.00	\$175.8	—	\$20.6	\$23.1	\$35.1	\$97.0	\$36.2	\$74.5
4.00	\$201.1	\$22.7	\$27.6	\$27.7	\$60.0	\$63.1	\$56.4	—
4.50	\$44.0	—	—	—	—	\$44.0	—	\$58.0
5.00	\$113.7	—	—	—	\$34.9	\$78.8	\$70.5	—
6.00	\$109.9	\$14.2	\$40.1	\$55.6	—	—	—	—
>Last entry	\$736.4	\$31.5	\$80.6	\$115.5	\$134.4	\$374.4	\$167.2	\$191.7
Total	\$1,867.2	\$80.4	\$201.4	\$293.6	\$387.7	\$904.1	\$489.8	\$414.3

V. Percentage distribution of total expenditures

0.00	—	—	—	—	—	—	—	—
0.50	1.5%	—	—	1.3%	1.8%	1.8%	1.8%	2.1%
0.75	1.6%	—	—	2.1%	2.5%	1.5%	2.5%	—
1.00	3.6%	—	4.2%	2.5%	3.1%	4.3%	4.2%	5.1%
1.25	2.0%	—	—	—	2.5%	3.1%	5.1%	—
1.50	4.4%	—	5.1%	5.0%	4.3%	4.6%	3.9%	6.3%
1.75	2.3%	—	—	—	3.6%	3.2%	5.3%	—
2.00	5.7%	14.8%	6.8%	5.9%	4.7%	5.0%	3.5%	8.3%
2.50	5.0%	—	—	7.7%	9.3%	3.8%	6.3%	—
3.00	9.4%	—	10.2%	7.9%	9.1%	10.7%	7.4%	18.0%
4.00	10.8%	28.3%	13.7%	9.4%	15.5%	7.0%	11.5%	—
4.50	2.4%	—	—	—	—	4.9%	—	14.0%
5.00	6.1%	—	—	—	9.0%	8.7%	14.4%	—
6.00	5.9%	17.7%	19.9%	18.9%	—	—	—	—
>Last entry	39.4%	39.2%	40.0%	39.3%	34.7%	41.4%	34.1%	46.3%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

VI. Cumulative percentage distribution of total expenditures

0.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.50	1.5%	0.0%	0.0%	1.3%	1.8%	1.8%	1.8%	2.1%
0.75	3.0%	0.0%	0.0%	3.4%	4.3%	3.3%	4.3%	2.1%
1.00	6.6%	0.0%	4.2%	5.8%	7.4%	7.6%	8.5%	7.1%
1.25	8.6%	0.0%	4.2%	5.8%	9.9%	10.7%	13.5%	7.1%
1.50	13.0%	0.0%	9.4%	10.8%	14.2%	15.2%	17.4%	13.5%
1.75	15.3%	0.0%	9.4%	10.8%	17.8%	18.5%	22.7%	13.5%
2.00	21.1%	14.8%	16.2%	16.8%	22.5%	23.5%	26.2%	21.8%
2.50	26.0%	14.8%	16.2%	24.4%	31.8%	27.3%	32.6%	21.8%
3.00	35.5%	14.8%	26.4%	32.3%	40.9%	38.0%	40.0%	39.7%
4.00	46.2%	43.1%	40.1%	41.7%	56.3%	45.0%	51.5%	39.7%
4.50	48.6%	43.1%	40.1%	41.7%	56.3%	49.9%	51.5%	53.7%
5.00	54.7%	43.1%	40.1%	41.7%	65.3%	58.6%	65.9%	53.7%
6.00	60.6%	60.8%	60.0%	60.7%	65.3%	58.6%	65.9%	53.7%
>Last entry	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: Unpublished data from the 1986 Family Expenditure Survey.

Expenditure figures in panel four were derived by multiplying the share of total current consumption devoted to intercity air transportation (i.e. column one) with the estimate of total current consumption for each quintile. This dollar amount was then multiplied by the total number of families reporting the given expenditure share in each quintile. Since the last category was open-ended, its dollar expenditure was estimated separately by adjusting its implicit expenditure share until the total expenditure for each quintile matched the actual amount spent by each quintile. The actual amount is produced by multiplying the total number of families in each quintile by the average amount spent by each quintile on intercity air transportation.

Family Expenditure on Intercity Rail Transportation, Distributed by Income Quintile, 1986

	Total	Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	80%-95%	>95%
Shares out of total consumption (%)	(Up to \$14,478)	(>\$14,478-\$25,500)	(>\$25,500-\$36,900)	(>\$36,900-\$52,215)	(>\$52,215)	(>\$52,215-\$79,227)	(>\$79,227)	
I. Total number of families at each expenditure share								
0.00	8,198,510	1,691,755	1,641,176	1,657,372	1,635,300	1,572,907	1,202,846	370,081
0.10	35,710	-	-	-	-	35,710	-	-
0.15	31,479	-	-	-	31,479	-	-	-
0.25	113,764	-	44,960	38,308	-	-	-	-
0.30	92,586	-	-	-	38,990	53,596	53,596	30,496
0.50	58,031	-	28,958	31,073	-	-	-	-
0.60	30,765	-	-	-	30,765	-	-	-
1.00	67,012	41,178	25,834	-	-	-	-	-
>Last entry	221,508	37,197	36,368	37,824	33,597	76,722	35,093	41,629
Total	8,848,365	1,770,130	1,775,296	1,764,377	1,770,131	1,769,431	1,327,245	442,186
Avg. total consumption	\$25,994	\$10,553	\$18,296	\$24,800	\$31,920	\$44,402	\$39,704	\$58,505
Avg. rail expenditure	\$13	\$7	\$13	\$12	\$13	\$22	\$13	\$51
Share of total cons.	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%
Total expenditure (\$ mill.)	\$115.0	\$11.5	\$22.2	\$20.3	\$22.1	\$38.9	\$16.6	\$22.3
Dist. of expenditure	100%	10%	19%	18%	19%	34%	14%	19%
Dist. of families	100%	20%	20%	20%	20%	20%	15%	5%
II. Percentage distribution of families in each quintile								
0.00	92.6%	95.6%	92.4%	93.9%	92.4%	88.9%	90.6%	83.7%
0.10	0.4%	-	-	-	-	2.0%	2.7%	-
0.15	0.4%	-	-	-	1.8%	-	-	-
0.25	1.3%	-	2.5%	2.2%	-	1.7%	-	6.9%
0.30	1.0%	-	-	-	2.2%	3.0%	4.0%	-
0.50	0.7%	-	1.5%	1.8%	-	-	-	-
0.60	0.3%	-	-	-	1.7%	-	-	-
1.00	0.8%	2.3%	1.5%	-	-	-	-	-
>Last entry	2.5%	2.1%	2.0%	2.1%	1.9%	4.3%	2.6%	9.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
III. Cumulative percentage distribution of families in each quintile								
0.00	92.6%	95.6%	92.4%	93.9%	92.4%	88.9%	90.6%	83.7%
0.10	93.0%	95.6%	92.4%	93.9%	92.4%	90.9%	93.3%	83.7%
0.15	93.4%	95.6%	92.4%	93.9%	94.2%	90.9%	93.3%	83.7%
0.25	94.7%	95.6%	95.0%	96.1%	94.2%	92.6%	93.3%	90.6%
0.30	95.7%	95.6%	95.0%	96.1%	96.4%	95.7%	97.4%	90.6%
0.50	96.4%	95.6%	96.5%	97.9%	96.4%	95.7%	97.4%	90.6%
0.60	96.7%	95.6%	96.5%	97.9%	96.4%	95.7%	97.4%	90.6%
1.00	97.5%	97.9%	98.0%	97.9%	98.1%	95.7%	97.4%	90.6%
>Last entry	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
IV. Total expenditure (\$ millions)								
0.00	-	-	-	-	-	-	-	-
0.10	\$1.6	-	-	-	-	\$1.6	\$1.4	-
0.15	\$1.5	-	-	-	\$1.5	-	-	-
0.25	\$7.8	-	\$2.1	\$2.4	-	\$3.4	-	\$4.5
0.30	\$10.9	-	-	-	\$3.7	\$7.1	\$6.4	-
0.50	\$6.3	-	\$2.5	\$3.9	-	-	-	-
0.60	\$5.9	-	-	-	\$5.9	-	-	-
1.00	\$9.1	\$4.3	\$4.7	-	-	-	-	-
>Last entry	\$72.0	\$7.2	\$12.9	\$14.1	\$11.0	\$26.8	\$8.8	\$17.9
Total	\$115.0	\$11.5	\$22.2	\$20.3	\$22.1	\$38.9	\$16.6	\$22.3
V. Percentage distribution of total expenditures								
0.00	-	-	-	-	-	-	-	-
0.10	1.4%	-	-	-	-	4.1%	8.5%	-
0.15	1.3%	-	-	-	6.8%	-	-	-
0.25	6.8%	-	9.3%	11.7%	-	8.7%	-	20.0%
0.30	9.5%	-	-	-	16.9%	18.3%	38.5%	-
0.50	5.5%	-	11.1%	19.0%	-	-	-	-
0.60	5.1%	-	-	-	26.6%	-	-	-
1.00	7.9%	37.7%	21.3%	-	-	-	-	-
>Last entry	62.6%	62.3%	58.3%	69.3%	49.7%	68.9%	53.0%	80.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
VI. Cumulative percentage distribution of total expenditures								
0.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.10	1.4%	0.0%	0.0%	0.0%	0.0%	4.1%	8.5%	0.0%
0.15	2.7%	0.0%	0.0%	0.0%	6.8%	4.1%	8.5%	0.0%
0.25	9.5%	0.0%	9.3%	11.7%	6.8%	12.8%	8.5%	20.0%
0.30	18.9%	0.0%	9.3%	11.7%	23.7%	31.1%	47.0%	20.0%
0.50	24.4%	0.0%	20.4%	30.7%	23.7%	31.1%	47.0%	20.0%
0.60	29.5%	0.0%	20.4%	30.7%	50.3%	31.1%	47.0%	20.0%
1.00	37.4%	37.7%	41.7%	30.7%	50.3%	31.1%	47.0%	20.0%
>Last entry	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: Unpublished data from the 1986 Family Expenditure Survey.

Expenditure figures in panel four were derived by multiplying the share of total current consumption devoted to intercity rail transportation (i.e. column one) with the estimate of total current consumption for each quintile. This dollar amount was then multiplied by the total number of families reporting the given expenditure share in each quintile. Since the last category was open-ended, its dollar expenditure was estimated separately by adjusting its implicit expenditure share until the total expenditure for each quintile matched the actual amount spent by each quintile. The actual amount is produced by multiplying the total number of families in each quintile by the average amount spent by each quintile on intercity rail transportation.

Family Expenditure on Intercity Bus Transportation, Distributed by Income Quintile, 1986

	Total	Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	80%-95%	>95%
Shares out of total consumption (%)	(Up to \$14,478)	(>\$14,478-\$25,500)	(>\$25,500-\$36,900)	(>\$36,900-\$52,215)	(>\$52,215)	(>\$52,215-\$79,227)		(>\$79,227)
I. Total number of families at each expenditure share								
0.00	7,737,234	1,551,386	1,502,918	1,564,227	1,566,547	1,552,156	1,169,448	382,708
0.05	24,136	-	-	-	-	24,136	24,136	-
0.10	195,675	-	34,399	50,371	57,388	53,517	25,433	28,084
0.20	168,589	-	38,841	38,997	50,582	40,169	40,169	-
0.25	39,775	39,775	-	-	-	-	-	-
0.30	110,392	-	50,319	29,887	30,186	-	-	-
0.40	69,342	-	29,256	-	-	40,086	40,086	-
0.50	100,049	56,932	-	22,969	20,148	-	-	-
0.60	31,922	-	31,922	-	-	-	-	-
0.75	37,215	37,215	-	-	-	-	-	-
0.80	50,161	-	28,246	21,915	-	-	-	-
1.00	19,131	19,131	-	-	-	-	-	-
1.20	28,184	-	28,184	-	-	-	-	-
2.00	45,407	45,407	-	-	-	-	-	-
> Last entry	192,153	20,284	31,211	36,011	45,280	59,367	27,973	31,394
Total	8,849,365	1,770,130	1,775,296	1,764,377	1,770,131	1,769,431	1,327,245	442,186
Avg. total consumption	\$25,994	\$10,553	\$18,296	\$24,800	\$31,920	\$44,402	\$39,704	\$58,505
Avg. bus expenditure	\$14	\$12	\$16	\$13	\$13	\$14	\$13	\$19
Share of total cons.	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%
Total expenditure (\$ mill.)	\$123.9	\$21.9	\$28.9	\$23.6	\$23.7	\$25.7	\$17.3	\$8.4
Dist. of expenditure	100%	18%	23%	19%	19%	21%	14%	7%
Dist. of families	100%	20%	20%	20%	20%	20%	15%	5%

II. Percentage distribution of families in each quintile

0.00	87.4%	87.6%	84.7%	88.7%	88.5%	87.7%	88.1%	86.5%
0.05	0.3%	-	-	-	-	1.4%	1.8%	-
0.10	2.2%	-	1.9%	2.9%	3.2%	3.0%	1.9%	6.4%
0.20	1.9%	-	2.2%	2.2%	2.9%	2.3%	3.0%	-
0.25	0.4%	2.2%	-	-	-	-	-	-
0.30	1.2%	-	2.8%	1.7%	1.7%	-	-	-
0.40	0.8%	-	1.6%	-	-	2.3%	3.0%	-
0.50	1.1%	3.2%	-	1.3%	1.1%	-	-	-
0.60	0.4%	-	1.8%	-	-	-	-	-
0.75	0.4%	2.1%	-	-	-	-	-	-
0.80	0.6%	-	1.6%	1.2%	-	-	-	-
1.00	0.2%	1.1%	-	-	-	-	-	-
1.20	0.3%	-	1.6%	-	-	-	-	-
2.00	0.5%	2.6%	-	-	-	-	-	-
> Last entry	2.2%	1.1%	1.8%	2.0%	2.6%	3.4%	2.1%	7.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

III. Cumulative percentage distribution of families in each quintile

0.00	87.4%	87.6%	84.7%	88.7%	88.5%	87.7%	88.1%	86.5%
0.05	87.7%	87.6%	84.7%	88.7%	88.5%	89.1%	89.9%	86.5%
0.10	89.9%	87.6%	86.6%	91.5%	91.7%	92.1%	91.8%	92.9%
0.20	91.8%	87.6%	88.8%	93.7%	94.6%	94.4%	94.9%	92.9%
0.25	92.3%	89.9%	88.8%	93.7%	94.6%	94.4%	94.9%	92.9%
0.30	93.5%	89.9%	91.6%	95.4%	96.3%	94.4%	94.9%	92.9%
0.40	94.3%	89.9%	93.3%	95.4%	96.3%	96.6%	97.9%	92.9%
0.50	95.4%	93.1%	93.3%	96.7%	97.4%	96.6%	97.9%	92.9%
0.60	95.8%	93.1%	95.1%	96.7%	97.4%	96.6%	97.9%	92.9%
0.75	96.2%	95.2%	95.1%	96.7%	97.4%	96.6%	97.9%	92.9%
0.80	96.8%	95.2%	96.7%	98.0%	97.4%	96.6%	97.9%	92.9%
1.00	97.0%	96.3%	96.7%	98.0%	97.4%	96.6%	97.9%	92.9%
1.20	97.3%	96.3%	98.2%	98.0%	97.4%	96.6%	97.9%	92.9%
2.00	97.8%	98.9%	98.2%	98.0%	97.4%	96.6%	97.9%	92.9%
> Last entry	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Family Expenditure on Intercity Bus Transportation, Distributed by Income Quintile, 1986

	Total	Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	80%-95%	>95%
Shares out of total consumption (%)		(Up to \$14,478)	(>\$14,478 - \$25,500)	(>\$25,500 - \$36,900)	(>\$36,900 - \$52,215)	(>\$52,215)	(>\$52,215 - \$79,227)	(>\$79,227)
IV. Total expenditure (\$ millions)								
0.00	-	-	-	-	-	-	-	-
0.05	\$0.5	-	-	-	-	\$0.5	\$0.5	-
0.10	\$6.1	-	\$0.6	\$1.2	\$1.8	\$2.4	\$1.0	\$1.6
0.20	\$10.2	-	\$1.4	\$1.9	\$3.2	\$3.8	\$3.2	-
0.25	\$1.0	\$1.0	-	-	-	-	-	-
0.30	\$7.9	-	\$2.8	\$2.2	\$2.9	-	-	-
0.40	\$9.3	-	\$2.1	-	-	\$7.1	\$6.4	-
0.50	\$9.1	\$3.0	-	\$2.8	\$3.2	-	-	-
0.60	\$3.5	-	\$3.5	-	-	-	-	-
0.75	\$2.9	\$2.9	-	-	-	-	-	-
0.80	\$8.5	-	\$4.1	\$4.3	-	-	-	-
1.00	\$2.0	\$2.0	-	-	-	-	-	-
1.20	\$6.2	-	\$6.2	-	-	-	-	-
2.00	\$9.6	\$9.6	-	-	-	-	-	-
>Last entry	\$47.1	\$3.3	\$8.2	\$11.0	\$12.6	\$12.1	\$6.2	\$6.8
Total	\$123.9	\$21.9	\$28.9	\$23.6	\$23.7	\$25.7	\$17.3	\$8.4

V. Percentage distribution of total expenditures

0.00	-	-	-	-	-	-	-	-
0.05	0.4%	-	-	-	-	2.1%	2.8%	-
0.10	4.9%	-	2.2%	5.3%	7.7%	9.3%	5.9%	19.6%
0.20	8.2%	-	4.9%	8.2%	13.6%	13.9%	18.5%	-
0.25	0.8%	4.8%	-	-	-	-	-	-
0.30	6.4%	-	9.5%	9.4%	12.2%	-	-	-
0.40	7.5%	-	7.4%	-	-	27.8%	36.9%	-
0.50	7.3%	13.7%	-	12.0%	13.6%	-	-	-
0.60	2.8%	-	12.1%	-	-	-	-	-
0.75	2.4%	13.4%	-	-	-	-	-	-
0.80	6.8%	-	14.3%	18.4%	-	-	-	-
1.00	1.6%	9.2%	-	-	-	-	-	-
1.20	5.0%	-	21.4%	-	-	-	-	-
2.00	7.7%	43.7%	-	-	-	-	-	-
>Last entry	38.1%	15.2%	28.2%	46.7%	52.9%	47.0%	36.0%	80.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

VI. Cumulative percentage distribution of total expenditures

0.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.05	0.4%	0.0%	0.0%	0.0%	0.0%	2.1%	2.8%	0.0%
0.10	5.3%	0.0%	2.2%	5.3%	7.7%	11.4%	8.6%	19.6%
0.20	13.5%	0.0%	7.1%	13.5%	21.3%	25.3%	27.1%	19.6%
0.25	14.4%	4.8%	7.1%	13.5%	21.3%	25.3%	27.1%	19.6%
0.30	20.7%	4.8%	16.6%	22.9%	33.5%	25.3%	27.1%	19.6%
0.40	28.2%	4.8%	24.0%	22.9%	33.5%	53.0%	64.0%	19.6%
0.50	35.5%	18.5%	24.0%	34.9%	47.1%	53.0%	64.0%	19.6%
0.60	38.4%	18.5%	36.1%	34.9%	47.1%	53.0%	64.0%	19.6%
0.75	40.7%	31.9%	36.1%	34.9%	47.1%	53.0%	64.0%	19.6%
0.80	47.6%	31.9%	50.4%	53.3%	47.1%	53.0%	64.0%	19.6%
1.00	49.2%	41.1%	50.4%	53.3%	47.1%	53.0%	64.0%	19.6%
1.20	54.2%	41.1%	71.8%	53.3%	47.1%	53.0%	64.0%	19.6%
2.00	61.9%	84.8%	71.8%	53.3%	47.1%	53.0%	64.0%	19.6%
>Last entry	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: Unpublished data from the 1986 Family Expenditure Survey.

Expenditure figures in panel four were derived by multiplying the share of total current consumption devoted to intercity bus transportation (i.e. column one) with the estimate of total current consumption for each quintile. This dollar amount was then multiplied by the total number of families reporting the given expenditure share in each quintile. Since the last category was open-ended, its dollar expenditure was estimated separately by adjusting its implicit expenditure share until the total expenditure for each quintile matched the actual amount spent by each quintile. The actual amount is produced by multiplying the total number of families in each quintile by the average amount spent by each quintile on intercity bus transportation.

Family Expenditure on Automotive Fuels, Distributed by Average Amount Spent, 1986

Annual expenditure (\$)	Number of families	Percentage distribution of families	Cumulative number of families	Cumulative percentage distribution of families	Total expenditure (\$ millions)	Percentage distribution of total expenditure	Cumulative total expenditure (\$ millions)	Cumulative percentage distribution of total expenditure
1 - 30	1,735,199	19.6%	1,735,199	19.6%	\$0.0	0.0%	\$0.0	0.0%
31 - 50	24,134	0.3%	1,759,333	19.9%	\$0.4	0.0%	\$0.4	0.0%
51 - 75	26,808	0.3%	1,786,141	20.2%	\$1.1	0.0%	\$1.5	0.0%
76 - 100	22,762	0.3%	1,808,903	20.4%	\$1.4	0.0%	\$2.9	0.0%
101 - 125	58,234	0.7%	1,867,137	21.1%	\$5.1	0.1%	\$8.0	0.1%
126 - 150	38,396	0.4%	1,905,533	21.5%	\$4.3	0.0%	\$12.4	0.1%
151 - 175	52,102	0.6%	1,957,635	22.1%	\$7.2	0.1%	\$19.5	0.2%
176 - 200	27,146	0.3%	1,984,781	22.4%	\$4.4	0.1%	\$24.0	0.3%
201 - 240	109,267	1.2%	2,094,048	23.7%	\$20.5	0.3%	\$44.5	0.5%
241 - 260	113,231	1.3%	2,207,279	24.9%	\$19.9	0.2%	\$69.4	0.8%
261 - 300	79,582	0.9%	2,286,861	25.8%	\$44.5	0.5%	\$89.4	1.0%
301 - 320	158,552	1.8%	2,445,413	27.6%	\$8.9	0.1%	\$133.9	1.5%
321 - 340	45,428	0.5%	2,473,918	28.0%	\$15.0	0.2%	\$142.7	1.6%
341 - 360	111,218	1.3%	2,519,347	28.5%	\$39.0	0.4%	\$157.8	1.8%
361 - 380	25,347	0.3%	2,630,565	29.7%	\$9.4	0.1%	\$166.7	2.2%
381 - 400	135,046	1.5%	2,655,912	30.0%	\$53.0	0.6%	\$206.1	2.4%
401 - 420	49,470	0.6%	2,791,558	31.5%	\$20.3	0.2%	\$259.1	3.0%
421 - 440	36,010	0.4%	2,841,028	32.1%	\$15.5	0.2%	\$278.4	3.2%
441 - 460	53,756	0.6%	2,877,038	32.5%	\$24.2	0.3%	\$294.9	3.4%
461 - 480	110,919	1.3%	2,930,794	33.1%	\$52.2	0.6%	\$319.1	3.6%
481 - 500	176,897	2.0%	3,041,713	34.4%	\$86.8	1.0%	\$371.3	4.2%
501 - 520	185,332	2.2%	3,218,610	36.4%	\$99.7	1.1%	\$458.1	5.2%
521 - 540	30,548	0.3%	3,413,942	38.6%	\$16.2	0.2%	\$557.8	6.4%
541 - 560	49,349	0.6%	3,444,490	38.9%	\$27.2	0.3%	\$574.0	6.5%
561 - 580	37,012	0.4%	3,493,839	39.5%	\$21.1	0.2%	\$601.2	6.9%
581 - 600	220,030	2.5%	3,530,851	39.9%	\$129.9	1.5%	\$622.3	7.1%
601 - 620	27,304	0.3%	3,550,881	40.2%	\$16.7	0.2%	\$639.0	7.6%
621 - 640	64,284	0.7%	3,778,185	42.7%	\$40.5	0.5%	\$689.4	8.8%
641 - 660	55,661	0.6%	3,842,469	43.4%	\$36.2	0.4%	\$725.6	9.2%
661 - 680	45,557	0.5%	3,898,130	44.0%	\$30.5	0.3%	\$756.1	9.6%
681 - 700	86,215	1.0%	3,943,687	44.6%	\$59.5	0.7%	\$815.6	10.0%
701 - 720	105,073	1.2%	4,028,902	45.5%	\$74.7	0.8%	\$890.3	10.7%
721 - 740	40,874	0.5%	4,134,875	46.7%	\$29.9	0.3%	\$920.2	11.5%
741 - 760	82,565	0.9%	4,175,649	47.2%	\$62.0	0.7%	\$982.2	11.9%
761 - 780	140,897	1.6%	4,258,414	48.1%	\$108.6	1.2%	\$1,090.8	12.6%
781 - 800	123,592	1.4%	4,399,311	49.7%	\$97.7	1.1%	\$1,210.7	13.8%
801 - 820	29,720	0.3%	4,522,903	51.1%	\$24.1	0.3%	\$1,308.4	14.9%
821 - 840	51,798	0.6%	4,552,903	51.4%	\$43.0	0.5%	\$1,332.5	15.2%
841 - 860	35,917	0.4%	4,604,421	52.0%	\$30.5	0.3%	\$1,375.5	15.7%
861 - 880	30,470	0.3%	4,640,336	52.4%	\$26.5	0.3%	\$1,406.1	16.0%
881 - 900	84,880	1.0%	4,720,808	52.8%	\$75.6	0.9%	\$1,481.7	16.3%
901 - 920	37,166	0.4%	4,755,686	53.7%	\$33.8	0.4%	\$1,515.5	16.7%
921 - 940	33,658	0.4%	4,792,854	54.2%	\$31.3	0.4%	\$1,546.8	17.0%
941 - 960	86,599	1.0%	4,826,512	54.5%	\$82.3	0.9%	\$1,629.1	17.9%
961 - 980	38,641	0.4%	4,913,111	55.5%	\$37.5	0.4%	\$1,666.6	18.6%
981 - 1,000	217,316	2.5%	4,951,752	56.0%	\$215.3	2.5%	\$1,881.9	19.3%
1,001 - 1,020	37,569	0.4%	5,169,068	58.4%	\$36.0	0.4%	\$1,918.0	20.1%
1,021 - 1,040	349,574	4.0%	5,206,637	58.8%	\$50.1	0.5%	\$1,968.1	20.9%
1,041 - 1,060	47,694	0.5%	5,556,211	62.8%	\$46.0	0.5%	\$2,014.1	21.8%
1,061 - 1,080	42,960	0.5%	5,603,905	63.3%	\$71.3	0.8%	\$2,085.4	22.6%
1,081 - 1,100	64,767	0.7%	5,646,865	63.6%	\$55.6	0.6%	\$2,141.0	23.4%
1,101 - 1,120	63,659	0.7%	5,711,652	64.5%	\$46.1	0.5%	\$2,187.1	24.2%
1,121 - 1,140	83,259	0.9%	5,775,311	65.3%	\$46.1	0.5%	\$2,233.2	25.0%
1,141 - 1,160	48,299	0.5%	5,823,610	65.8%	\$46.1	0.5%	\$2,279.3	25.8%
1,161 - 1,180	39,410	0.4%	5,863,020	66.3%	\$46.1	0.5%	\$2,325.4	26.6%
1,181 - 1,200	166,654	1.9%	6,029,674	68.1%	\$198.4	2.3%	\$2,523.8	28.9%

Family Expenditure on Automotive Fuels, Distributed by Average Amount Spent, 1986

Annual expenditure (\$)	Number of families	Percentage distribution of families	Cumulative number of families	Cumulative percentage distribution of families	Total expenditure (\$ millions)	Percentage distribution of total expenditure	Cumulative total expenditure (\$ millions)	Cumulative percentage distribution of total expenditure
1,201 - 1,240	52,762	0.6%	6,082,436	68.7%	\$64.4	0.7%	\$2,909.2	33.2%
1,241 - 1,280	60,064	0.7%	6,142,500	69.4%	\$75.1	0.9%	\$2,984.3	34.0%
1,281 - 1,280	28,237	0.3%	6,170,737	69.7%	\$35.9	0.4%	\$3,020.2	34.4%
1,281 - 1,300	185,055	2.2%	6,355,792	71.9%	\$251.7	2.9%	\$3,271.9	37.3%
1,301 - 1,320	20,993	0.3%	6,383,482	72.2%	\$36.3	0.4%	\$3,308.2	37.7%
1,321 - 1,340	27,680	0.2%	6,414,475	72.5%	\$27.9	0.3%	\$3,336.1	38.0%
1,341 - 1,360	42,900	0.5%	6,457,375	73.0%	\$57.9	0.7%	\$3,394.0	38.7%
1,361 - 1,400	87,811	1.0%	6,545,186	74.0%	\$121.2	1.4%	\$3,515.3	40.1%
1,401 - 1,440	73,076	0.8%	6,618,262	74.8%	\$103.6	1.2%	\$3,618.9	41.3%
1,441 - 1,460	37,413	0.4%	6,655,675	75.2%	\$54.3	0.6%	\$3,673.3	41.9%
1,461 - 1,480	27,013	0.3%	6,682,688	75.5%	\$39.7	0.5%	\$3,713.1	42.3%
1,481 - 1,500	135,167	1.5%	6,817,855	77.0%	\$201.5	2.3%	\$3,914.5	44.6%
1,501 - 1,540	45,362	0.5%	6,863,217	77.5%	\$69.0	0.8%	\$3,983.5	45.4%
1,541 - 1,560	178,003	2.0%	7,042,220	79.6%	\$277.5	3.2%	\$4,261.0	48.6%
1,561 - 1,600	83,005	0.9%	7,125,225	80.5%	\$131.2	1.5%	\$4,392.2	50.1%
1,601 - 1,640	41,595	0.5%	7,166,810	81.0%	\$67.4	0.8%	\$4,459.6	50.9%
1,641 - 1,680	70,584	0.8%	7,237,394	81.8%	\$117.2	1.3%	\$4,576.8	52.2%
1,681 - 1,700	28,014	0.3%	7,265,408	82.3%	\$74.2	0.8%	\$4,651.1	53.0%
1,701 - 1,740	72,692	0.8%	7,338,100	83.1%	\$48.2	0.5%	\$4,699.3	53.6%
1,741 - 1,780	40,245	0.5%	7,378,345	83.6%	\$70.9	0.8%	\$4,770.1	54.4%
1,781 - 1,800	61,655	0.7%	7,439,999	84.3%	\$111.8	1.3%	\$4,881.9	55.9%
1,801 - 1,820	32,654	0.4%	7,472,653	84.7%	\$60.1	0.7%	\$4,942.0	57.6%
1,821 - 1,860	39,318	0.4%	7,512,071	85.1%	\$73.9	0.8%	\$5,015.9	57.2%
1,861 - 1,900	24,449	0.3%	7,536,520	85.4%	\$46.7	0.5%	\$5,062.6	58.7%
1,901 - 1,920	28,435	0.3%	7,564,955	85.7%	\$57.1	0.7%	\$5,119.7	59.2%
1,921 - 1,960	103,513	1.2%	7,668,468	86.9%	\$205.0	2.3%	\$5,324.7	62.2%
1,961 - 2,000	37,348	0.4%	7,705,816	87.3%	\$75.6	0.9%	\$5,400.3	63.1%
2,001 - 2,050	117,422	1.3%	7,823,238	88.6%	\$243.7	2.8%	\$5,644.0	65.8%
2,051 - 2,100	25,995	0.3%	7,849,233	88.9%	\$55.3	0.6%	\$5,700.3	66.5%
2,101 - 2,150	60,652	0.7%	7,910,885	89.6%	\$131.9	1.5%	\$5,832.2	68.0%
2,151 - 2,200	44,020	0.5%	7,954,905	90.1%	\$96.0	1.1%	\$5,928.2	68.6%
2,201 - 2,250	28,963	0.3%	8,008,868	90.4%	\$61.4	0.7%	\$6,000.6	69.1%
2,251 - 2,300	41,699	0.5%	8,050,567	91.2%	\$97.0	1.1%	\$6,097.6	70.9%
2,301 - 2,350	92,642	1.0%	8,143,209	92.2%	\$220.1	2.5%	\$6,317.7	73.4%
2,351 - 2,400	74,203	0.8%	8,217,412	93.0%	\$181.8	2.1%	\$6,499.5	75.5%
2,401 - 2,500	100,791	1.1%	8,318,203	94.2%	\$257.1	2.9%	\$6,756.6	78.4%
2,501 - 2,600	45,620	0.5%	8,363,823	94.7%	\$121.4	1.4%	\$6,878.0	79.8%
2,601 - 2,650	41,649	0.5%	8,405,472	95.2%	\$108.6	1.3%	\$6,986.6	81.1%
2,651 - 2,700	38,114	0.4%	8,443,586	95.6%	\$131.9	1.5%	\$7,118.5	82.3%
2,701 - 2,800	44,699	0.5%	8,508,285	96.1%	\$105.3	1.2%	\$7,223.8	83.6%
2,801 - 3,000	34,531	0.4%	8,542,816	96.5%	\$147.0	1.7%	\$7,370.8	85.0%
3,001 - 3,100	46,674	0.5%	8,589,490	97.0%	\$126.7	1.4%	\$7,500.5	86.2%
3,101 - 3,200	38,362	0.4%	8,627,852	97.5%	\$151.6	1.7%	\$7,652.1	88.2%
3,201 - 3,400	43,268	0.5%	8,671,120	98.0%	\$148.4	1.7%	\$7,799.5	89.9%
3,401 - 3,600	39,558	0.4%	8,710,678	98.4%	\$135.8	1.5%	\$7,935.3	91.6%
3,601 - 3,800	34,819	0.4%	8,745,497	98.8%	\$289.1	3.4%	\$8,224.4	93.1%
3,801 - 4,000	68,452	0.8%	8,813,949	99.5%	\$304.7	3.5%	\$8,529.1	96.5%
4,001 - 5,000	40,345	0.5%	8,854,294	100.0%	\$8,769.7	100.0%	\$17,298.8	100.0%
Total	8,849,365	100.0%						
Average expenditure	\$991							

Source: Unpublished data from the 1986 Family Expenditure Survey.

Note: Total expenditures were derived by multiplying the midpoint of each range of spending by the total number of families in each range. The last entry was computed separately by adjusting the average amount until the estimated total balanced the actual amount spent. The implied average amount spent is the indented number shown in the last row (i.e. \$7,552).

Family Expenditure on Intercity Public Transportation, Distributed by Average Amount Spent, 1986

Annual expenditure (\$)	Number of families	Percentage distribution of families	Cumulative number of families	Cumulative percentage distribution of families	Total expenditure (\$ millions)	Percentage distribution of total expenditure	Cumulative total expenditure (\$ millions)	Cumulative percentage distribution of total expenditure
0	5,107,161	57.7%	5,107,161	57.7%	\$0.0	0.0%	\$0.0	0.0%
1 - 5	49,067	0.6%	5,156,228	58.3%	\$0.1	0.0%	\$0.1	0.0%
6 - 10	143,902	1.6%	5,300,130	59.9%	\$1.2	0.1%	\$1.3	0.1%
11 - 15	67,970	0.8%	5,368,100	60.7%	\$0.9	0.0%	\$2.2	0.1%
16 - 20	118,146	1.3%	5,486,246	62.0%	\$2.1	0.1%	\$4.3	0.2%
21 - 25	69,083	0.8%	5,555,329	62.8%	\$1.8	0.1%	\$5.9	0.3%
26 - 30	97,450	1.1%	5,652,779	63.9%	\$2.7	0.1%	\$8.6	0.4%
31 - 35	36,832	0.4%	5,689,611	64.3%	\$1.2	0.1%	\$9.8	0.4%
36 - 40	95,549	1.1%	5,785,160	65.4%	\$3.8	0.2%	\$13.5	0.6%
41 - 45	30,232	0.3%	5,815,392	65.7%	\$1.3	0.1%	\$14.8	0.6%
46 - 50	107,326	1.2%	5,922,718	66.9%	\$5.2	0.2%	\$19.9	0.9%
51 - 55	29,943	0.3%	5,952,661	67.3%	\$1.6	0.1%	\$21.5	0.9%
56 - 60	64,788	0.7%	6,017,429	68.0%	\$3.8	0.2%	\$25.3	1.1%
61 - 65	27,894	0.3%	6,045,323	68.3%	\$1.8	0.1%	\$27.0	1.2%
66 - 70	44,352	0.5%	6,089,675	68.8%	\$3.0	0.1%	\$30.0	1.3%
71 - 75	38,425	0.4%	6,128,100	69.2%	\$2.8	0.1%	\$32.8	1.4%
76 - 80	50,725	0.6%	6,178,825	69.8%	\$4.0	0.2%	\$36.8	1.6%
81 - 90	44,903	0.5%	6,223,728	70.3%	\$3.8	0.2%	\$40.6	1.8%
91 - 100	126,497	1.4%	6,350,225	71.8%	\$12.1	0.5%	\$52.7	2.3%
101 - 110	39,108	0.4%	6,389,333	72.2%	\$4.1	0.2%	\$56.8	2.5%
111 - 120	48,404	0.5%	6,437,737	72.7%	\$5.4	0.2%	\$62.2	2.7%
121 - 130	50,779	0.6%	6,488,516	73.3%	\$6.4	0.3%	\$68.6	3.0%
131 - 140	34,032	0.4%	6,520,548	73.7%	\$4.6	0.2%	\$73.2	3.2%
141 - 150	69,648	0.8%	6,590,196	74.5%	\$10.1	0.4%	\$83.3	3.6%
151 - 160	40,670	0.5%	6,630,866	74.9%	\$6.3	0.3%	\$89.6	3.9%
161 - 170	24,781	0.3%	6,655,647	75.2%	\$4.1	0.2%	\$93.8	4.1%
171 - 180	45,871	0.5%	6,701,518	75.7%	\$8.1	0.4%	\$101.8	4.4%
181 - 190	24,970	0.3%	6,726,488	76.0%	\$4.6	0.2%	\$106.4	4.6%
191 - 200	96,102	1.1%	6,822,590	77.1%	\$18.8	0.8%	\$125.2	5.5%
201 - 220	42,748	0.5%	6,865,338	77.6%	\$9.0	0.4%	\$134.2	5.9%
221 - 240	45,655	0.5%	6,910,993	78.1%	\$10.5	0.5%	\$144.7	6.3%
241 - 260	79,502	0.9%	6,990,495	79.0%	\$19.9	0.9%	\$164.7	7.2%
261 - 280	38,858	0.4%	7,029,351	79.4%	\$10.5	0.5%	\$175.2	7.6%
281 - 300	96,114	1.1%	7,125,465	80.5%	\$27.9	1.2%	\$203.1	8.9%
301 - 320	34,186	0.4%	7,159,651	80.9%	\$10.6	0.5%	\$213.7	9.3%
321 - 340	41,151	0.5%	7,200,802	81.4%	\$13.6	0.6%	\$227.3	9.9%
341 - 360	52,646	0.6%	7,253,448	82.0%	\$18.5	0.8%	\$245.8	10.7%
361 - 380	29,224	0.3%	7,282,672	82.3%	\$10.8	0.5%	\$256.6	11.2%
381 - 400	77,202	0.9%	7,359,874	83.2%	\$30.1	1.3%	\$286.7	12.5%
401 - 420	32,507	0.4%	7,392,381	83.5%	\$13.3	0.6%	\$300.1	13.1%
421 - 440	36,208	0.4%	7,428,589	83.9%	\$15.6	0.7%	\$315.7	13.8%
441 - 460	39,614	0.4%	7,468,203	84.4%	\$17.8	0.8%	\$333.5	14.6%
461 - 480	35,217	0.4%	7,503,420	84.8%	\$16.6	0.7%	\$350.1	15.3%
481 - 500	80,826	0.7%	7,584,246	85.5%	\$29.8	1.3%	\$379.9	16.6%
501 - 525	26,268	0.3%	7,590,514	85.8%	\$13.5	0.6%	\$393.4	17.2%
526 - 550	40,689	0.5%	7,631,203	86.2%	\$21.9	1.0%	\$415.3	18.1%
551 - 575	23,915	0.3%	7,655,118	86.5%	\$13.5	0.6%	\$428.7	18.7%
576 - 600	89,717	1.0%	7,744,835	87.5%	\$52.8	2.3%	\$481.5	21.0%
601 - 625	24,681	0.3%	7,769,516	87.8%	\$15.1	0.7%	\$496.6	21.7%
626 - 650	23,391	0.3%	7,792,907	88.1%	\$14.9	0.7%	\$511.6	22.3%
651 - 675	24,829	0.3%	7,817,736	88.3%	\$16.5	0.7%	\$528.0	23.0%
676 - 700	47,273	0.5%	7,865,009	88.9%	\$32.5	1.4%	\$560.5	24.5%
701 - 750	51,317	0.6%	7,916,326	89.5%	\$37.2	1.6%	\$597.8	26.1%
751 - 800	93,753	1.1%	8,010,079	90.5%	\$72.7	3.2%	\$670.5	29.3%
801 - 850	35,483	0.4%	8,045,542	90.9%	\$29.3	1.3%	\$699.7	30.5%
851 - 900	42,684	0.5%	8,088,226	91.4%	\$37.4	1.6%	\$737.1	32.2%
901 - 950	39,220	0.4%	8,127,446	91.8%	\$36.3	1.6%	\$773.4	33.7%
951 - 1,000	53,364	0.6%	8,180,810	92.4%	\$52.1	2.3%	\$825.5	36.0%
1,001 - 1,050	31,222	0.4%	8,212,032	92.8%	\$32.0	1.4%	\$857.5	37.4%
1,051 - 1,100	30,977	0.4%	8,243,009	93.1%	\$33.3	1.5%	\$890.8	38.9%
1,101 - 1,200	66,203	0.7%	8,309,212	93.9%	\$76.2	3.3%	\$967.0	42.2%
1,201 - 1,300	52,857	0.6%	8,362,069	94.5%	\$66.1	2.9%	\$1,033.1	45.1%
1,301 - 1,400	45,914	0.5%	8,407,983	95.0%	\$62.0	2.7%	\$1,095.1	47.8%
1,401 - 1,500	34,409	0.4%	8,442,392	95.4%	\$49.9	2.2%	\$1,145.0	50.0%
1,501 - 1,600	37,334	0.4%	8,479,726	95.8%	\$57.9	2.5%	\$1,202.9	52.5%
1,601 - 1,700	25,572	0.3%	8,505,298	96.1%	\$42.2	1.8%	\$1,245.1	54.3%
1,701 - 1,800	29,747	0.3%	8,535,045	96.4%	\$52.1	2.3%	\$1,297.2	56.6%
1,801 - 2,000	47,133	0.5%	8,582,178	97.0%	\$89.6	3.9%	\$1,386.7	60.5%
2,001 - 2,200	45,766	0.5%	8,627,944	97.5%	\$96.1	4.2%	\$1,482.9	64.7%
2,201 - 2,400	29,116	0.3%	8,657,060	97.8%	\$67.0	2.9%	\$1,549.8	67.6%
2,401 - 2,600	34,307	0.4%	8,691,367	98.2%	\$65.8	3.7%	\$1,635.6	71.4%
2,601 - 3,000	44,359	0.5%	8,735,726	98.7%	\$124.2	5.4%	\$1,759.9	76.8%
3,001 - 3,500	34,459	0.4%	8,770,185	99.1%	\$112.0	4.9%	\$1,871.9	81.7%
3,501 - 4,000	25,738	0.3%	8,795,921	99.4%	\$96.5	4.2%	\$1,968.4	85.9%
\$6,055	53,444	0.6%	8,849,365	100.0%	\$323.6	14.1%	\$2,292.0	100.0%
Total	8,849,365	100.0%			\$2,292.0	100.0%		
Average expenditure	\$259							

Source: Unpublished data from the 1986 Family Expenditure Survey.

Note: Total expenditures were derived by multiplying the midpoint of each range of spending by the total number of families in each range. The last entry was computed separately by adjusting the average amount until the estimated total balanced the actual amount spent. The implied average amount spent is the indented number shown in the last row (i.e. \$6,055).

Family Expenditure on Intercity Air, Rail, and Bus Transportation, Distributed by Average Amount Spent, 1986

Annual expenditure (\$)	Number of families	Percentage distribution of families	Cumulative number of families	Cumulative percentage distribution of families	Total expenditure (\$ millions)	Percentage distribution of total expenditure	Cumulative total expenditure (\$ millions)	Cumulative percentage distribution of total expenditure
I. Intercity air transportation								
0	6,921,406	78.2%	6,921,406	78.2%	\$0.0	0.0%	\$0.0	0.0%
1 - 75	33,441	0.4%	6,954,847	78.6%	\$1.3	0.1%	\$1.3	0.1%
76 - 100	32,276	0.4%	6,987,123	79.0%	\$2.8	0.2%	\$4.1	0.2%
101 - 125	35,221	0.4%	7,022,344	79.4%	\$4.0	0.2%	\$8.1	0.4%
126 - 150	51,833	0.6%	7,074,177	79.9%	\$7.2	0.4%	\$15.2	0.8%
151 - 175	35,601	0.4%	7,109,778	80.3%	\$5.8	0.3%	\$21.0	1.1%
176 - 200	85,070	1.0%	7,194,848	81.3%	\$16.0	0.9%	\$37.0	2.0%
201 - 225	29,283	0.3%	7,224,131	81.6%	\$6.2	0.3%	\$43.3	2.3%
226 - 250	57,165	0.6%	7,281,296	82.3%	\$13.6	0.7%	\$56.9	3.0%
251 - 275	28,507	0.3%	7,309,803	82.6%	\$7.5	0.4%	\$64.4	3.4%
276 - 300	106,900	1.2%	7,416,793	83.8%	\$30.8	1.6%	\$95.2	5.1%
301 - 325	13,874	0.2%	7,430,667	84.0%	\$4.3	0.2%	\$99.5	5.3%
326 - 350	53,159	0.6%	7,483,826	84.6%	\$18.0	1.0%	\$117.5	6.3%
351 - 375	17,532	0.2%	7,501,358	84.8%	\$8.4	0.3%	\$125.9	6.6%
376 - 400	99,304	1.1%	7,600,662	85.9%	\$38.5	2.1%	\$162.4	8.7%
401 - 450	50,863	0.6%	7,651,525	86.5%	\$21.6	1.2%	\$184.0	9.9%
451 - 500	115,098	1.3%	7,766,623	87.8%	\$54.7	2.9%	\$238.8	12.8%
501 - 550	41,397	0.5%	7,808,020	88.2%	\$21.8	1.2%	\$260.5	14.0%
551 - 600	112,294	1.3%	7,920,314	89.5%	\$64.6	3.5%	\$325.1	17.4%
601 - 650	24,184	0.3%	7,944,498	89.8%	\$15.1	0.8%	\$340.3	18.2%
651 - 700	69,166	0.8%	8,013,664	90.6%	\$46.7	2.5%	\$387.0	20.7%
701 - 750	31,529	0.4%	8,045,193	90.9%	\$22.9	1.2%	\$409.9	22.0%
751 - 800	90,524	1.0%	8,135,717	91.9%	\$70.2	3.8%	\$480.1	25.7%
801 - 900	56,072	0.6%	8,191,789	92.6%	\$47.7	2.6%	\$527.8	28.3%
901 - 1,000	102,259	1.2%	8,294,048	93.7%	\$97.2	5.2%	\$625.0	33.5%
1,001 - 1,100	31,171	0.4%	8,325,219	94.1%	\$32.7	1.8%	\$657.7	35.2%
1,101 - 1,200	85,816	1.0%	8,411,035	95.0%	\$98.7	5.3%	\$756.4	40.5%
1,201 - 1,300	36,547	0.4%	8,447,582	95.5%	\$45.7	2.4%	\$802.1	43.0%
1,301 - 1,400	22,169	0.3%	8,469,751	95.7%	\$29.9	1.6%	\$832.1	44.6%
1,401 - 1,500	48,439	0.5%	8,516,190	96.2%	\$54.1	2.9%	\$886.4	47.5%
1,501 - 1,700	33,798	0.4%	8,549,988	96.6%	\$54.1	2.9%	\$940.5	50.4%
1,701 - 1,800	34,770	0.4%	8,584,758	97.0%	\$60.9	3.3%	\$1,001.4	53.7%
1,801 - 2,000	62,046	0.7%	8,646,802	97.7%	\$117.9	6.3%	\$1,119.3	59.9%
2,001 - 2,300	37,772	0.4%	8,684,574	98.1%	\$81.2	4.4%	\$1,200.5	64.3%
2,301 - 2,500	27,863	0.3%	8,712,437	98.5%	\$68.9	3.8%	\$1,269.4	68.1%
2,501 - 3,000	47,491	0.5%	8,759,928	99.0%	\$130.6	7.0%	\$1,400.0	75.1%
3,001 - 4,000	47,382	0.5%	8,807,310	99.5%	\$165.9	8.9%	\$1,565.9	84.0%
\$6,903	42,055	0.5%	8,849,365	100.0%	\$290.3	15.5%	\$1,856.2	100.0%
Total	8,849,365	100.0%			\$1,867.2	100.0%		
Average expenditure	\$211							
II. Intercity rail transportation								
0	8,198,510	92.6%	8,198,510	92.6%	\$0.0	0.0%	\$0.0	0.0%
1 - 20	41,612	0.5%	8,240,122	93.1%	\$0.4	0.4%	\$0.4	0.4%
21 - 30	45,802	0.5%	8,285,924	93.6%	\$1.2	1.0%	\$1.6	1.4%
31 - 40	44,172	0.5%	8,330,096	94.1%	\$1.6	1.4%	\$3.2	2.8%
41 - 50	41,616	0.5%	8,371,712	94.6%	\$1.9	1.6%	\$5.1	4.4%
51 - 60	39,108	0.4%	8,410,820	95.0%	\$2.2	1.9%	\$7.2	6.3%
61 - 80	63,758	0.7%	8,474,578	95.8%	\$4.5	3.9%	\$11.7	10.2%
81 - 100	78,459	0.9%	8,553,037	96.7%	\$7.1	6.2%	\$18.8	16.4%
101 - 125	31,659	0.4%	8,584,696	97.0%	\$3.6	3.1%	\$22.4	19.5%
126 - 150	40,929	0.5%	8,625,625	97.5%	\$5.6	4.9%	\$28.1	24.4%
151 - 200	89,821	0.8%	8,695,446	98.3%	\$12.3	10.7%	\$40.3	35.0%
201 - 300	50,985	0.6%	8,746,431	98.8%	\$12.8	11.1%	\$53.1	46.1%
301 - 400	38,202	0.4%	8,784,633	99.3%	\$13.4	11.6%	\$66.5	57.8%
401 - 600	28,154	0.3%	8,812,787	99.6%	\$14.1	12.2%	\$80.6	70.0%
\$943	36,578	0.4%	8,849,365	100.0%	\$34.5	30.0%	\$115.0	100.0%
Total	8,849,365	100.0%			\$115.0	100.0%		
Average expenditure	\$13							
III. Intercity bus transportation								
0	7,737,234	87.4%	7,737,234	87.4%	\$0.0	0.0%	\$0.0	0.0%
1 - 10	45,809	0.5%	7,783,043	88.0%	\$0.3	0.2%	\$0.3	0.2%
11 - 15	35,580	0.4%	7,818,623	88.4%	\$0.5	0.4%	\$0.7	0.6%
16 - 20	70,405	0.8%	7,889,028	89.1%	\$1.3	1.0%	\$2.0	1.6%
21 - 25	36,472	0.4%	7,925,500	89.6%	\$0.8	0.7%	\$2.8	2.3%
26 - 30	89,853	1.0%	8,015,353	90.6%	\$2.5	2.0%	\$5.3	4.3%
31 - 35	26,335	0.3%	8,041,688	90.9%	\$0.9	0.7%	\$6.2	5.0%
36 - 40	60,617	0.7%	8,102,305	91.6%	\$2.3	1.9%	\$8.5	6.9%
41 - 45	24,474	0.3%	8,126,779	91.8%	\$1.1	0.8%	\$9.6	7.7%
46 - 50	89,422	1.0%	8,216,201	92.8%	\$4.3	3.5%	\$13.9	11.2%
51 - 60	80,016	0.9%	8,296,217	93.7%	\$4.4	3.6%	\$18.3	14.8%
61 - 70	39,335	0.4%	8,335,552	94.2%	\$2.6	2.1%	\$20.9	16.8%
71 - 80	50,234	0.6%	8,385,786	94.8%	\$3.8	3.1%	\$24.7	19.9%
81 - 90	29,287	0.3%	8,415,063	95.1%	\$2.5	2.0%	\$27.2	21.9%
91 - 100	78,686	0.9%	8,493,769	96.0%	\$7.5	6.1%	\$34.7	28.0%
101 - 125	60,245	0.7%	8,554,014	96.7%	\$6.8	5.5%	\$41.5	33.5%
126 - 150	65,906	0.7%	8,619,920	97.4%	\$9.1	7.3%	\$50.6	40.8%
151 - 175	20,565	0.2%	8,640,485	97.6%	\$3.4	2.7%	\$53.9	43.5%
176 - 200	58,839	0.7%	8,699,324	98.3%	\$11.1	8.9%	\$65.0	52.5%
201 - 250	44,524	0.5%	8,743,848	98.8%	\$10.0	8.1%	\$75.0	60.6%
251 - 300	30,601	0.3%	8,774,449	99.2%	\$8.4	6.8%	\$83.5	67.4%
301 - 400	33,469	0.4%	8,807,918	99.5%	\$11.7	9.5%	\$95.2	76.8%
\$692	41,447	0.5%	8,849,365	100.0%	\$28.7	23.2%	\$123.9	100.0%
Total	8,849,365	100.0%			\$123.9	100.0%		
Average expenditure	\$14							

Source: Unpublished data from the 1986 Family Expenditure Survey.

Note: Total expenditures were derived by multiplying the midpoint of each range of spending by the total number of families in each range. The last entry was computed separately by adjusting the average amount until the estimated total balanced the actual amount spent. The implied average amount spent is the indented number shown in the last row (i.e. \$6,903, \$943, and \$692).

The Consumer Price Index of Selected Transportation Items, 1949–1991

1986=100.0

D484000	D484357	D484358	D484360	D484362	D484363	D484378	D484379	D484380	D484381	D484382	D484384	D484385	D484383
All items	Trans- port	Private trans- port	Purchase of autos.	Operation of autos.	Gasoline	Public trans- port	Local commuter and	Urban transit	Taxi	Inter-city public transport	Inter-city rail	Inter-city bus	Inter-city air
1949	18.5	21.4	30.6	-	18.3	-	9.7	8.9	17.7	11.2	12.7	20.5	-
1950	19.0	22.2	30.9	-	19.1	-	10.7	9.9	17.7	11.5	13.1	20.5	-
1951	21.0	19.3	24.2	35.4	19.2	-	11.4	10.5	19.2	11.7	13.2	21.2	-
1952	21.5	20.1	24.6	36.1	19.2	-	12.5	11.7	19.6	11.9	13.2	22.3	-
1953	21.4	20.4	24.5	35.4	19.4	-	13.3	12.5	19.8	11.8	13.1	22.2	-
1954	21.5	20.5	24.5	35.6	19.6	-	13.6	12.8	20.1	11.7	13.0	22.2	-
1955	21.5	20.2	23.7	33.0	19.5	-	13.8	13.0	20.1	11.8	13.0	22.4	-
1956	21.8	21.1	24.0	33.4	19.7	-	15.3	14.6	20.4	11.6	13.0	23.0	-
1957	22.5	22.2	25.5	36.7	20.5	-	16.0	15.3	20.9	12.2	13.3	23.8	-
1958	23.1	22.8	25.9	37.2	20.3	-	16.8	16.1	21.7	12.6	13.9	24.4	-
1959	23.4	23.6	26.3	38.9	19.7	-	17.2	17.2	22.8	13.0	14.3	25.1	-
1960	23.7	24.0	26.3	39.2	18.9	-	18.4	17.7	23.1	13.4	14.9	25.4	-
1961	23.9	24.0	26.2	39.0	19.2	-	18.9	18.1	23.3	13.6	15.1	25.5	-
1962	24.2	24.0	26.1	37.5	19.0	15.3	18.9	18.3	23.6	14.1	15.2	26.2	14.7
1963	24.6	24.0	26.0	37.5	19.2	15.6	19.3	18.6	23.6	14.1	15.2	26.4	15.3
1964	25.0	24.2	26.3	36.4	20.2	16.1	20.1	19.4	23.2	13.8	14.1	26.1	15.3
1965	25.7	25.2	27.2	36.1	21.7	16.9	21.4	20.7	24.8	13.6	13.9	26.2	15.4
1966	26.6	25.7	27.7	35.4	22.9	17.5	22.1	21.5	25.8	14.4	15.3	26.3	15.4
1967	27.6	26.8	28.5	36.1	23.6	19.6	25.5	25.0	27.5	14.8	16.1	26.7	15.4
1968	28.7	27.8	29.0	36.7	24.1	20.6	26.6	26.3	28.7	15.6	16.8	27.9	16.5
1969	30.0	28.8	29.8	36.9	25.2	23.1	30.3	30.0	30.1	16.7	18.8	29.3	17.2
1970	31.0	30.0	30.9	37.6	26.5	24.4	32.1	31.8	31.5	17.6	19.8	30.3	17.8
1971	31.9	31.2	32.2	38.9	27.7	25.3	32.6	32.4	31.9	19.7	22.8	31.9	19.8
1972	32.4	32.0	33.0	39.7	28.4	26.2	33.1	32.6	34.2	21.6	28.4	32.9	20.4
1973	35.9	32.9	34.0	39.8	30.0	26.2	32.7	32.0	35.7	22.2	27.9	34.1	20.8
1974	39.8	36.1	37.5	42.7	33.8	29.9	34.2	32.3	41.0	25.4	33.0	36.1	23.7
1975	44.1	40.3	41.9	45.4	38.9	32.0	38.1	35.7	46.7	28.1	37.9	39.0	27.4
1976	47.5	44.7	46.1	48.1	44.0	36.7	44.8	42.9	52.1	32.1	41.6	42.5	30.4
1977	51.3	47.8	49.4	51.3	47.2	38.9	47.4	45.0	56.0	34.3	43.0	46.3	32.8
1978	55.8	50.6	52.3	55.8	49.1	40.8	50.0	47.7	58.3	35.8	45.2	50.3	34.1
1979	60.9	55.5	57.5	62.6	53.1	44.5	56.6	54.9	63.8	37.9	48.9	53.7	35.7
1980	87.1	62.6	64.5	69.9	60.1	57.2	67.1	58.1	70.1	46.8	54.5	60.2	45.0
1981	75.5	74.1	76.7	77.9	75.3	77.9	67.1	64.1	76.1	55.2	64.1	67.5	53.4
1982	83.6	84.6	86.9	81.6	90.3	94.5	71.3	73.0	87.8	68.2	76.7	81.5	66.2
1983	88.5	88.6	91.0	84.8	94.9	100.3	76.1	78.3	90.7	72.9	84.6	88.0	70.7
1984	92.3	92.5	94.4	88.3	98.3	106.2	81.5	84.9	92.3	76.1	87.5	92.8	76.2
1985	98.5	98.9	98.5	92.4	102.2	112.5	88.2	91.5	94.2	85.8	92.3	96.7	84.4
1986	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1987	104.4	103.6	106.4	104.8	104.8	103.7	104.7	104.9	106.8	103.1	102.7	103.4	103.1
1988	108.6	105.7	107.1	106.4	107.7	103.8	110.8	110.9	111.4	89.5	108.9	104.1	86.6
1989	114.0	111.1	112.7	112.3	114.3	110.2	116.7	117.2	116.1	88.2	119.0	108.7	95.9
1990	119.4	117.3	118.4	112.8	124.9	114.7	124.5	125.1	121.7	112.0	143.3	123.2	109.6
1991	126.2	119.4	119.1	110.6	129.3	124.7	135.9	135.2	136.6	127.9	160.4	145.6	125.0
Relative weights	100.00%	18.29%	18.42%	7.10%	7.81%	3.41%	1.87%	0.48%	0.14%	1.12%	0.06%	0.05%	0.83%

Sources: CPI to May 1990: Statistics Canada, *CANSIM* Matrix 1922; CPI, June 1990 to Present: Statistics Canada, *The Consumer Price Index*, Catalogue no. 62-001; Relative Weights: SC, *Consumer Price Index Reference Paper*, Catalogue no. 62-553, July 1989, pp. 110-111. These figures represent the proportion of total spending devoted to each item.

Notes: 1) The CPI base year was changed from 1981=100 to 1986=100 in June of 1990. As a result, the monthly data up to this point (which are based on 1981=100) have been adjusted to reflect this moving of the base year.
2) Especially for intercity air transportation, movements in CPI since the late 1970s diverge substantially from movements in revenues per passenger-km owing to increasing share of "discount fares" which is not reflected in the CPI.

The CPI of Selected Transportation Items Relative to the CPI For All Items, 1949-1991

1986=100.0

	D484357	D484358	D484360	D484362	D484363	D484378	D484379	D484380	D484381	D484382	D484384	D484385	D484383
	Trans- port	Private trans- port	Purchase of autos.	Operation of autos.	Gasoline	Public trans- port	Local commuter and	Urban transit	Taxi	Intercity public transport	Inter- city rail	Inter- city bus	Inter- city air
1949	92.2	115.7	165.7	-	98.9	-	52.3	47.9	96.0	60.8	88.6	110.8	-
1950	94.6	116.8	162.4	-	100.5	-	56.3	52.0	92.0	60.6	88.8	107.5	-
1951	91.7	114.9	168.0	-	91.1	-	54.1	50.1	91.5	55.5	82.6	100.6	-
1952	93.2	114.2	167.5	-	89.2	-	57.9	54.1	91.2	55.1	81.3	103.4	-
1953	95.4	114.7	165.9	-	91.0	-	62.1	58.4	92.6	55.2	81.3	104.1	-
1954	95.4	114.2	165.7	-	91.4	-	63.1	59.4	93.4	54.5	80.5	103.3	-
1955	94.0	110.4	153.4	-	90.6	-	64.1	60.6	93.4	54.6	80.5	104.3	-
1956	96.5	109.9	152.7	-	90.4	-	70.0	66.7	93.2	54.2	59.5	105.8	-
1957	98.5	113.4	162.8	-	91.2	-	70.9	67.7	92.9	54.0	59.2	105.7	-
1958	98.8	112.2	161.1	-	87.7	-	72.7	69.6	93.9	54.5	60.0	105.7	-
1959	101.1	112.6	166.5	-	84.1	-	76.8	73.6	97.5	55.5	61.1	107.3	-
1960	101.3	111.3	165.6	-	80.0	-	77.8	74.7	97.5	56.6	62.9	107.2	-
1961	100.5	109.7	159.2	80.4	79.7	64.0	79.0	75.8	97.6	56.8	63.3	106.6	54.8
1962	99.2	107.8	155.0	79.9	78.6	64.4	78.8	75.7	97.5	58.3	62.7	108.2	60.6
1963	97.5	105.8	152.5	78.0	76.2	64.3	78.3	75.4	95.9	58.4	62.1	107.3	62.4
1964	96.9	104.9	145.4	80.5	78.2	64.2	80.1	77.6	92.7	55.2	56.3	104.4	61.3
1965	96.1	106.0	140.9	84.5	77.4	65.7	83.3	80.8	96.7	53.7	54.3	102.0	60.1
1966	96.7	104.2	133.2	86.0	77.9	65.8	83.2	80.7	97.0	54.1	57.4	98.9	58.0
1967	97.3	103.2	130.8	85.6	76.9	71.1	92.4	90.5	99.6	53.7	58.4	96.8	57.6
1968	96.1	101.2	127.9	84.1	76.6	72.0	93.6	91.8	100.1	54.3	58.4	97.3	57.4
1969	96.1	99.5	123.1	84.1	75.1	77.0	101.2	100.2	100.3	55.8	61.9	97.6	57.5
1970	96.7	99.8	121.3	85.5	74.3	78.6	103.4	102.6	101.7	56.9	71.7	100.1	62.2
1971	97.9	100.9	122.1	86.9	74.9	79.5	102.3	101.6	102.4	64.7	79.0	98.5	61.2
1972	95.8	98.7	118.8	85.2	72.0	78.4	99.2	97.7	102.9	61.8	77.5	95.0	57.8
1973	91.4	94.7	110.9	83.5	71.4	72.9	91.1	89.1	99.4	63.8	82.9	90.7	59.6
1974	90.6	94.2	107.1	84.8	75.1	71.3	85.8	81.1	102.9	66.0	85.9	88.3	62.1
1975	91.4	94.8	103.0	88.2	76.7	72.6	86.4	81.0	105.9	67.7	87.7	89.6	64.1
1976	94.2	97.2	101.3	92.7	80.2	77.3	94.4	90.3	109.8	68.9	83.9	90.2	64.0
1977	93.3	96.4	100.0	92.2	80.6	76.0	92.4	87.8	109.3	66.9	81.0	90.0	61.2
1978	90.6	93.7	100.0	88.1	78.2	73.1	89.5	85.5	104.5	64.1	80.3	88.1	58.6
1979	91.1	94.3	102.7	87.1	78.9	73.0	92.8	90.0	104.7	62.2	81.2	89.6	67.1
1980	93.3	96.1	104.1	89.5	85.3	77.1	90.5	86.6	104.5	69.7	81.2	89.6	70.8
1981	98.1	101.6	103.2	89.8	103.1	78.8	88.9	84.9	100.8	73.2	84.9	89.4	79.2
1982	101.1	103.9	97.5	107.9	113.0	85.3	91.7	87.3	104.7	81.5	91.7	97.4	79.9
1983	100.3	102.8	95.8	107.2	113.3	86.0	92.2	88.5	102.4	82.4	95.6	99.5	82.6
1984	100.1	102.2	95.6	106.4	115.0	88.2	94.4	92.0	99.9	84.6	94.8	100.5	87.9
1985	101.0	102.6	106.5	106.5	117.1	91.9	96.4	95.3	98.1	89.3	96.1	100.0	87.9
1986	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1987	99.3	99.3	97.8	100.4	100.3	99.4	100.4	99.9	102.3	98.8	98.4	99.1	95.8
1988	97.3	98.7	98.0	99.2	95.6	89.5	102.0	102.2	102.6	82.4	100.3	95.8	79.7
1989	97.5	98.9	98.5	100.2	96.7	91.5	102.4	102.8	101.8	86.1	104.4	95.4	84.1
1990	98.2	99.1	94.4	104.5	105.8	96.0	104.2	104.7	101.9	93.8	120.0	103.1	91.8
1991	94.6	94.4	87.6	102.5	98.8	102.5	107.7	107.1	108.4	101.3	127.2	115.4	99.0

Sources: See the source listing on the previous page.

Note: See the notes on the preceding page.

Stocks and Flows of Fixed Non-Residential Capital in the Air Transport Industry, 1926-1989

(millions of constant 1981 dollars)

CANSIM no.:	D882760	D882761	D882762	D882763	D882790
	Gross fixed capital formation	Building construction	Engineering construction	Machinery/ equipment	End-year net stock
1926	0.7	-	-	0.7	1.8
1927	2.1	-	-	2.1	3.5
1928	7.3	-	-	6.4	10.1
1929	10.1	-	-	9.2	18.6
1930	6.9	-	-	6.0	23.3
1931	3.1	-	-	3.1	23.5
1932	0.7	-	-	0.7	21.3
1933	0.8	-	-	0.8	19.1
1934	0.8	-	-	0.8	16.8
1935	1.6	-	-	1.6	15.2
1936	5.8	-	1.0	4.8	17.6
1937	6.7	-	-	6.7	20.4
1938	20.3	-	4.9	14.9	36.1
1939	12.5	-	3.9	8.6	43.5
1940	11.3	-	0.9	10.4	49.4
1941	7.9	-	0.9	7.0	51.5
1942	14.5	-	0.8	13.3	59.3
1943	10.4	-	1.6	8.8	61.9
1944	9.6	-	1.5	8.1	63.0
1945	10.7	-	0.8	9.5	64.4
1946	46.1	-	2.1	43.5	98.8
1947	77.3	0.5	10.3	65.7	159.2
1948	38.4	-	2.7	35.0	176.7
1949	37.4	0.8	10.8	25.5	190.9
1950	10.3	-	0.5	9.2	177.1
1951	14.1	-	1.3	12.2	166.7
1952	29.5	-	0.8	27.8	170.9
1953	99.9	1.0	12.0	85.5	240.6
1954	89.5	0.7	6.9	80.5	292.1
1955	95.6	0.7	5.5	87.5	341.7
1956	96.9	0.7	6.8	87.4	386.1
1957	154.6	11.9	-	140.3	481.9
1958	232.5	7.7	0.4	221.4	641.8
1959	227.9	58.6	-	166.8	779.8
1960	296.7	21.5	-	271.4	965.0
1961	183.3	13.8	0.4	166.4	1,015.3
1962	96.8	7.8	-	86.9	968.1
1963	87.8	2.0	-	83.8	909.2
1964	98.5	2.3	-	94.0	860.4
1965	77.7	2.8	0.3	72.3	791.0
1966	300.9	4.1	-	293.9	935.2
1967	402.6	12.9	0.6	382.6	1,158.0
1968	495.2	62.4	0.3	425.7	1,449.4
1969	441.2	55.1	1.1	378.5	1,663.4
1970	488.0	149.0	1.1	331.6	1,907.2
1971	326.4	79.3	0.5	241.3	1,979.2
1972	276.5	44.0	0.2	227.1	1,988.8
1973	683.4	32.4	0.2	640.1	2,369.5
1974	643.6	33.1	1.2	599.0	2,655.5
1975	419.8	45.1	0.2	367.2	2,676.3
1976	137.2	37.1	1.5	93.9	2,408.8
1977	162.7	46.7	0.4	111.2	2,189.3
1978	431.1	21.7	0.2	400.4	2,252.4
1979	731.8	31.6	3.3	684.0	2,601.6
1980	772.0	58.4	5.0	694.4	2,955.3
1981	1,007.5	71.1	0.1	919.0	3,488.9
1982	627.2	64.5	0.6	549.8	3,588.4
1983	532.3	66.5	1.0	453.8	3,583.5
1984	512.0	41.3	0.3	459.3	3,573.3
1985	352.0	21.0	4.7	315.9	3,412.3
1986	420.1	22.9	0.9	384.5	3,307.8
1987	595.0	26.9	0.7	551.9	3,341.2
1988	1,511.1	35.2	1.3	1,445.4	4,213.4
1989	900.6	75.3	1.5	802.1	4,413.0

Source: Statistics Canada, CANSIM, Matrix 3515.

Note: Data refer only to 1970 Standard Industrial Classification no. 501 (air transport industry). They exclude all services incidental to air transport (no. 502). Examples of such incidental services include airport operation, aircraft servicing, aircraft rentals, and specialty flying services.

Stocks and Flows of Fixed Non-Residential Capital in the Railway Transport Industry, 1926-1989

(millions of constant 1981 dollars)

CANSIM no.:	D882800	D882801	D882802	D882803	D882804 Capital items charged to operating expenses	D882830 End-year net stock
	Gross fixed capital formation	Building construction	Engineering construction	Machinery/ equipment		
1926	854.6	34.0	631.1	185.6	3.9	22,521.0
1927	1,130.0	40.0	780.2	304.2	5.6	22,817.7
1928	1,281.1	53.1	1,046.5	178.1	3.4	23,246.8
1929	1,879.4	64.1	1,254.4	552.5	8.4	24,247.2
1930	1,406.3	49.7	997.6	353.5	5.5	24,745.1
1931	1,058.8	38.6	768.8	246.8	4.6	24,876.9
1932	295.9	12.9	261.8	20.5	0.7	24,240.5
1933	188.0	7.8	154.1	25.4	0.7	23,500.0
1934	235.2	10.2	194.7	29.7	0.6	22,813.9
1935	287.1	11.6	232.9	41.4	1.2	22,190.3
1936	421.7	14.0	262.8	142.0	2.9	21,710.8
1937	610.9	13.9	255.3	336.5	5.2	21,425.2
1938	481.4	11.8	218.3	247.2	4.1	21,016.1
1939	439.0	12.6	232.5	190.3	3.6	20,580.3
1940	470.3	13.1	247.1	206.7	3.4	20,195.5
1941	425.3	15.5	289.2	118.4	2.2	19,786.1
1942	410.4	12.8	230.3	164.3	3.0	19,378.5
1943	428.7	10.9	197.1	217.7	3.0	18,994.2
1944	533.3	11.9	219.0	298.2	4.2	18,711.7
1945	383.2	11.2	204.7	163.8	3.5	18,278.9
1946	445.1	15.1	277.0	145.3	7.7	17,912.3
1947	513.9	11.0	190.2	303.4	9.3	17,614.7
1948	734.4	13.7	236.9	472.8	11.0	17,531.7
1949	747.0	18.2	317.9	400.5	10.4	17,452.3
1950	526.9	11.8	206.7	299.5	8.9	17,143.9
1951	935.6	15.0	310.2	598.7	11.7	17,232.4
1952	1,124.6	19.3	468.6	624.4	12.3	17,492.9
1953	1,267.7	29.4	510.9	714.0	13.4	17,873.7
1954	1,130.3	27.1	314.6	775.5	13.1	18,092.2
1955	874.7	31.1	390.7	443.6	9.3	18,040.5
1956	1,454.7	42.3	661.1	739.2	12.1	18,552.4
1957	1,717.8	45.1	789.2	870.0	13.5	19,304.6
1958	1,440.2	61.7	733.9	633.9	10.7	19,762.3
1959	1,521.6	64.4	939.1	508.4	9.7	20,286.3
1960	1,355.7	98.3	872.0	377.4	8.0	20,628.2
1961	878.5	86.8	624.0	161.9	5.8	20,484.9
1962	813.0	64.3	563.9	179.0	5.8	20,281.1
1963	952.7	97.0	681.0	168.6	6.1	20,225.4
1964	932.9	63.0	620.3	242.5	7.1	20,157.4
1965	1,066.0	32.8	405.1	618.5	9.6	20,231.7
1966	1,147.6	48.4	508.6	581.0	9.6	20,395.3
1967	1,212.8	57.2	608.9	536.5	10.2	20,630.6
1968	943.1	50.4	477.2	406.3	9.2	20,606.6
1969	965.9	48.8	482.6	425.5	9.0	20,615.3
1970	991.8	55.6	494.4	432.4	9.4	20,654.0
1971	985.8	47.6	471.6	456.3	10.3	20,682.6
1972	1,010.4	47.2	450.1	502.3	10.8	20,726.1
1973	977.7	42.1	485.3	439.6	10.7	20,725.5
1974	1,009.6	61.2	497.2	439.9	11.3	20,744.4
1975	1,362.2	85.9	560.1	701.2	15.0	21,100.6
1976	1,131.0	60.5	526.0	530.7	13.8	21,214.8
1977	907.7	59.6	477.6	357.2	13.3	21,103.1
1978	939.9	60.4	454.8	410.1	14.6	21,021.0
1979	1,025.6	65.8	467.7	476.5	15.6	21,025.0
1980	1,101.3	71.7	460.2	550.3	19.1	21,107.1
1981	1,298.0	57.4	576.2	643.3	21.1	21,387.2
1982	1,248.9	62.5	691.7	475.2	19.5	21,624.0
1983	1,291.1	91.9	753.7	425.4	20.1	21,909.8
1984	1,243.2	126.1	708.3	388.2	20.6	22,158.8
1985	1,352.3	175.2	637.7	515.3	24.1	22,533.7
1986	933.6	70.3	514.9	327.7	20.7	22,505.0
1987	877.9	65.3	456.3	335.5	20.8	22,428.2
1988	1,032.0	67.2	429.3	511.2	24.3	22,500.7
1989	1,077.8	64.7	438.7	549.3	25.1	22,602.6

Source: Statistics Canada, CANSIM, Matrix 3516.

Note: Data refer only to 1970 Standard Industrial Classification group 503 (railway transport).

Stocks and Flows of Fixed Non-Residential Capital in the Water Transport Industry, 1926-1989

(millions of constant 1981 dollars)

CANSIM no.:	D882840	D882841	D882842	D882843	D882844 Capital items charged to operating expenses	D882870 End-year net stock
	Gross fixed capital formation	Building construction	Engineering construction	Machinery/ equipment		
1926	16.8	-	3.3	12.9	0.6	436.2
1927	21.3	-	3.4	17.3	0.6	434.6
1928	70.5	-	5.6	63.8	1.1	481.6
1929	44.6	-	6.5	37.5	0.6	501.8
1930	58.2	1.4	29.5	26.7	0.6	534.7
1931	33.8	0.7	11.0	21.4	0.7	542.9
1932	17.0	-	3.8	13.2	-	534.2
1933	2.7	-	1.3	1.4	-	511.8
1934	5.8	-	1.3	4.5	-	493.1
1935	9.2	-	2.6	6.6	-	478.1
1936	61.0	3.1	51.3	6.6	-	514.6
1937	49.8	2.2	40.2	7.4	-	539.5
1938	44.7	0.7	16.5	27.0	0.5	558.6
1939	12.2	0.7	10.6	0.9	-	545.0
1940	19.9	-	3.4	16.0	0.5	539.0
1941	30.0	0.7	14.6	14.3	0.4	542.9
1942	79.9	-	2.9	77.0	-	595.7
1943	565.0	-	2.8	562.2	-	1,125.0
1944	1,014.1	-	2.8	1,011.3	-	2,081.3
1945	423.2	0.6	12.7	409.5	0.4	2,426.8
1946	199.7	0.6	14.7	182.1	2.3	2,540.4
1947	220.8	1.5	22.1	194.4	2.8	2,669.6
1948	124.6	1.8	29.2	92.1	1.5	2,698.1
1949	134.0	2.6	45.3	84.4	1.7	2,733.0
1950	104.1	0.4	8.3	93.8	1.6	2,735.1
1951	115.4	0.4	9.0	104.6	1.4	2,746.4
1952	168.1	-	2.5	163.3	2.3	2,807.1
1953	171.2	2.1	33.8	133.3	2.0	2,867.1
1954	177.8	4.3	49.5	122.3	1.7	2,929.7
1955	198.6	6.7	82.2	108.4	1.3	3,009.4
1956	369.5	16.6	251.8	99.6	1.5	3,254.1
1957	626.6	33.6	471.6	119.7	1.7	3,746.0
1958	713.0	54.3	526.1	131.0	1.6	4,310.9
1959	385.3	28.7	211.1	143.7	1.8	4,536.5
1960	358.3	13.7	150.4	192.2	2.0	4,727.4
1961	377.2	24.7	159.9	190.5	2.1	4,928.6
1962	289.5	37.2	66.8	183.4	2.1	5,034.2
1963	241.8	27.0	32.5	180.5	1.8	5,086.5
1964	240.0	22.7	34.0	181.3	2.0	5,132.0
1965	366.4	24.6	112.6	226.9	2.3	5,297.1
1966	321.9	46.3	133.7	140.2	1.7	5,410.0
1967	311.1	36.1	112.1	160.8	2.1	5,504.9
1968	306.8	13.0	130.5	161.2	2.1	5,588.5
1969	348.4	14.7	194.5	137.3	1.9	5,706.0
1970	333.8	17.1	218.4	96.9	1.4	5,801.4
1971	304.8	12.5	204.3	86.6	1.4	5,860.9
1972	315.9	14.3	179.2	120.6	1.8	5,924.8
1973	294.2	11.5	100.5	179.6	2.6	5,960.1
1974	311.2	13.6	117.7	176.9	3.0	6,005.2
1975	249.1	14.9	83.8	147.8	2.6	5,981.6
1976	182.0	10.7	29.5	139.2	2.6	5,885.5
1977	317.0	18.4	81.7	213.2	3.7	5,918.9
1978	258.8	37.1	44.8	173.7	3.2	5,895.9
1979	311.1	15.7	72.4	218.9	4.1	5,940.1
1980	383.7	21.7	66.7	289.6	5.7	6,068.4
1981	426.8	22.3	107.3	291.0	6.2	6,237.5
1982	568.5	25.9	180.2	355.7	6.7	6,540.4
1983	531.1	19.2	132.1	372.9	6.9	6,795.4
1984	256.1	41.7	86.6	124.5	3.3	6,767.7
1985	174.2	26.0	66.1	79.1	3.0	6,656.2
1986	150.5	14.4	50.4	82.5	3.2	6,520.8
1987	118.8	8.1	54.7	53.3	2.7	6,356.2
1988	191.4	7.2	81.2	99.5	3.5	6,266.0
1989	442.4	15.5	141.3	279.4	6.2	6,423.1

Source: Statistics Canada, CANSIM, Matrix 3517.

Note: Data refer only to 1970 Standard Industrial Classification group 504 (water transport). They exclude services incidental to water transport (no. 505). These incidental services include cargo handling, harbour and port operation, salvaging, pilotage, and other services.

Stocks and Flows of Fixed Non-Residential Capital in the Motor Transport Industry, 1926-1989

(millions of constant 1981 dollars)

CANSIM no.:	D882880	D882881	D882882	D882883	D882884 Capital items charged to operating expenses	D882910 End-year net stock
	Gross fixed capital formation	Building construction	Engineering construction	Machinery/ equipment		
1926	11.1	1.4	-	9.7	-	31.9
1927	15.2	2.1	-	13.1	-	42.2
1928	21.7	2.7	-	18.4	0.6	57.6
1929	23.5	3.3	-	19.6	0.6	73.1
1930	19.4	2.7	-	16.7	-	83.0
1931	8.3	1.4	-	6.9	-	80.9
1932	8.7	1.5	-	6.5	0.7	78.6
1933	9.5	1.5	-	7.3	0.7	76.7
1934	15.3	2.3	-	12.4	0.6	80.2
1935	18.9	3.0	-	15.3	0.6	86.1
1936	23.7	3.8	-	19.3	0.6	95.7
1937	24.5	3.8	-	20.4	0.5	105.1
1938	30.6	4.3	1.3	24.5	0.5	120.1
1939	31.8	4.4	1.3	25.6	0.5	135.3
1940	34.7	5.1	1.3	27.8	0.5	152.6
1941	28.7	6.0	1.1	21.2	0.4	162.6
1942	21.2	3.8	1.1	15.9	0.4	163.7
1943	9.5	2.4	-	7.1	-	152.9
1944	10.7	2.4	-	8.3	-	143.3
1945	36.5	8.3	1.0	26.8	0.4	159.3
1946	82.8	11.9	1.9	67.2	1.8	218.2
1947	117.6	23.9	3.2	88.5	2.0	305.4
1948	67.2	11.8	1.4	52.2	1.8	336.8
1949	63.0	7.0	1.4	52.9	1.7	360.7
1950	70.1	5.0	0.6	62.6	1.9	388.2
1951	82.3	13.2	1.7	65.7	1.7	423.6
1952	79.7	14.0	1.1	62.6	2.0	451.6
1953	80.6	9.5	1.1	68.0	2.0	474.7
1954	84.4	13.3	2.7	66.2	2.2	495.5
1955	113.9	8.2	1.6	101.7	2.4	539.0
1956	129.5	10.0	1.0	116.0	2.5	591.4
1957	112.7	21.5	2.5	86.5	2.2	624.5
1958	87.6	5.8	1.0	78.7	2.1	630.9
1959	149.0	15.1	1.9	129.0	3.0	693.2
1960	127.9	21.0	0.5	103.5	2.9	728.2
1961	126.7	20.6	1.9	101.7	2.5	757.8
1962	131.7	15.1	0.5	113.2	2.9	787.5
1963	155.9	21.5	3.3	128.0	3.1	835.5
1964	178.9	23.1	1.4	151.0	3.4	898.7
1965	198.3	16.7	2.2	175.7	3.7	972.8
1966	178.3	20.1	2.5	152.1	3.6	1,021.1
1967	180.7	24.9	0.8	151.0	4.0	1,065.9
1968	203.8	28.4	5.2	165.7	4.5	1,125.6
1969	225.5	29.5	-	191.6	4.4	1,198.7
1970	215.8	33.5	2.2	175.9	4.2	1,254.5
1971	235.5	26.5	13.0	191.2	4.8	1,321.3
1972	285.9	27.5	12.1	240.6	5.7	1,426.8
1973	340.3	34.8	5.0	294.5	6.0	1,570.9
1974	354.3	56.3	2.2	289.8	6.0	1,712.6
1975	269.7	40.2	2.5	221.5	5.5	1,759.4
1976	299.1	42.6	6.4	243.5	6.6	1,827.7
1977	331.4	37.9	4.1	282.3	7.1	1,916.1
1978	389.5	41.0	21.9	318.2	8.4	2,047.1
1979	482.3	62.8	6.2	404.1	9.2	2,251.1
1980	437.7	51.7	8.3	368.0	9.7	2,388.4
1981	366.6	63.5	0.8	293.2	9.1	2,438.4
1982	246.9	39.5	4.3	195.3	7.8	2,364.4
1983	276.3	23.8	6.8	237.0	8.7	2,324.3
1984	368.5	36.6	4.8	317.4	9.7	2,377.5
1985	368.4	44.0	3.1	310.9	10.4	2,423.5
1986	399.1	53.8	1.0	333.5	10.8	2,490.4
1987	373.1	45.7	1.9	314.8	10.7	2,523.8
1988	364.1	49.2	1.6	302.6	10.7	2,546.3
1989	358.1	45.2	1.7	300.2	11.0	2,567.3

Source: Statistics Canada, CANSIM, Matrix 3518.

Note: Data refer to the following 1970 Standard Industrial Classification numbers: 506 (moving and storage, used goods, uncrated); 507 (other truck transport) which includes general freight trucking, bulk liquids, dry bulk, and forest products trucking; 508 (interurban and rural Bus Transport); 517 (miscellaneous services incidental to transport) which encompasses freight forwarding, and parking lots and garages); and 519 (other transportation) which includes school bus operations, charter and sightseeing services, limousine services, and ambulance services.

Stocks and Flows of Fixed Non-Residential Capital in the Urban and Suburban Transport Industry, 1926-1989

(millions of constant 1981 dollars)

CANSIM no.:	D882920	D882921	D882922	D882923	D882924	D882925	D882956
	Gross fixed capital formation	Building construction	Engineering construction	Machinery/ equipment- buses	Machinery/ equipment- streetcars	Capital items charged to operating expenses	End-year net stock
1926	79.0	3.4	57.9	6.3	10.8	0.6	760.1
1927	79.7	2.7	51.1	11.8	13.5	0.6	812.2
1928	87.3	3.4	56.5	13.5	13.3	0.6	869.2
1929	98.5	2.6	54.7	21.3	19.3	0.6	934.2
1930	56.7	2.0	35.2	10.5	8.4	0.6	954.6
1931	56.2	2.1	42.4	7.1	4.6	-	972.8
1932	24.1	0.7	18.5	3.3	1.6	-	958.4
1933	19.6	0.8	12.7	4.4	1.7	-	939.2
1934	41.3	1.5	30.0	6.3	2.9	0.6	941.6
1935	22.6	0.8	15.0	5.1	1.7	-	925.1
1936	37.0	1.5	22.9	9.1	2.9	0.6	922.8
1937	39.0	1.4	23.3	11.3	2.5	0.5	922.1
1938	64.0	1.4	21.6	33.3	7.2	0.5	944.9
1939	26.8	0.7	10.2	13.3	2.1	0.5	930.1
1940	43.9	0.7	11.1	28.3	3.3	0.5	932.0
1941	40.2	0.7	7.1	29.4	2.6	0.4	928.2
1942	57.7	0.6	7.6	46.3	2.8	0.4	939.0
1943	27.7	0.6	10.9	15.0	0.8	0.4	917.2
1944	44.4	0.6	11.6	29.9	1.9	0.4	910.6
1945	38.1	0.6	11.5	24.0	1.6	0.4	895.6
1946	73.9	1.1	18.3	50.0	3.1	1.4	913.3
1947	162.8	2.0	38.3	114.1	6.8	1.6	1,012.2
1948	121.1	0.9	38.4	75.4	4.9	1.5	1,061.5
1949	104.7	1.7	31.3	65.3	5.0	1.4	1,089.5
1950	120.6	2.9	59.2	53.4	3.8	1.3	1,129.0
1951	122.7	4.1	77.3	38.0	2.4	0.9	1,168.2
1952	111.9	3.9	81.2	24.0	1.9	0.9	1,196.4
1953	120.7	3.1	55.4	56.6	4.5	1.1	1,231.9
1954	69.0	1.8	33.3	31.0	2.1	0.8	1,213.2
1955	68.0	1.8	20.0	42.0	3.1	1.1	1,192.5
1956	87.3	2.0	30.0	50.6	3.7	1.0	1,190.4
1957	92.7	2.4	37.6	47.9	3.8	1.0	1,196.7
1958	68.9	1.3	13.1	50.2	3.4	0.9	1,184.0
1959	71.6	1.4	19.3	45.8	4.2	0.9	1,176.4
1960	108.8	11.4	69.8	24.8	2.1	0.7	1,207.5
1961	95.3	3.0	73.5	16.9	1.3	0.6	1,226.7
1962	110.0	1.4	70.8	34.3	2.7	0.8	1,259.8
1963	180.2	1.6	124.4	49.6	3.8	0.8	1,361.8
1964	348.0	12.1	304.9	28.0	2.2	0.8	1,628.1
1965	487.7	32.5	244.7	191.3	17.3	1.9	2,021.5
1966	394.4	51.6	162.5	160.2	18.4	1.7	2,303.6
1967	268.1	22.9	128.7	104.7	10.3	1.5	2,447.6
1968	112.3	17.0	35.6	53.8	4.6	1.3	2,430.9
1969	128.4	5.7	56.7	59.7	5.1	1.2	2,428.4
1970	133.1	4.9	68.2	54.7	4.3	1.0	2,427.5
1971	138.6	2.7	63.0	65.5	6.2	1.2	2,427.5
1972	197.0	10.5	116.8	62.7	5.8	1.2	2,480.2
1973	235.1	12.4	111.4	100.0	9.5	1.8	2,565.2
1974	259.0	91.6	37.0	117.8	10.4	2.2	2,664.5
1975	500.0	146.4	117.6	209.8	23.0	3.2	2,995.8
1976	511.3	97.0	179.8	210.1	21.0	3.4	3,329.4
1977	512.9	92.4	144.7	243.1	28.7	4.0	3,650.0
1978	389.0	74.1	92.1	191.9	27.2	3.7	3,828.6
1979	343.1	79.7	122.6	122.5	15.3	3.0	3,947.7
1980	400.3	59.9	172.5	142.8	21.2	3.9	4,112.7
1981	326.4	72.8	116.9	115.7	17.3	3.7	4,193.1
1982	570.7	67.6	263.6	202.5	31.6	5.4	4,503.5
1983	604.1	76.2	368.6	132.9	21.9	4.5	4,831.5
1984	643.3	106.7	392.8	121.3	18.3	4.2	5,188.4
1985	652.6	77.6	391.2	77.9	100.4	5.5	5,550.5
1986	496.4	108.1	193.8	69.7	118.5	6.3	5,759.4
1987	500.3	59.3	250.1	68.3	116.0	6.6	5,978.4
1988	531.4	83.9	241.1	73.8	125.4	7.2	6,233.0
1989	597.2	91.3	270.4	84.3	143.1	8.1	6,549.8

Source: Statistics Canada, CANSIM, Matrix 3519.

Note: Data refer to 1970 Standard Industrial Classification number 509 (urban transit systems).

Total Value of Transportation-Related Building and Engineering Construction, by Type of Structure, 1978-1991

(millions of dollars)

	Building construction				Transport building const.	Total building const.	Engineering construction				
	Railway stations	Railway shops	Air hangars	Pas-senger terminals			Docks, wharves, piers	Canals, waterways	Highways, roads, streets	parking lots	
1978	53.0	34.3	33.7	80.1	201.1	22,234.0	130.6	19.3	2,876.8	46.2	
1979	66.7	51.3	32.6	59.9	210.5	24,705.9	137.4	23.0	3,238.2	42.1	
1980	54.1	63.0	61.6	87.7	266.4	26,540.1	149.2	28.3	3,553.3	52.9	
1981	65.6	49.9	65.9	105.5	266.9	31,537.3	239.8	35.9	3,910.6	47.0	
1982	50.4	63.9	73.1	131.3	318.7	28,843.5	268.6	40.8	4,088.3	68.8	
1983	63.4	89.2	48.8	124.3	325.7	30,752.7	229.1	36.5	4,104.4	57.8	
1984	76.8	130.5	41.6	168.8	417.7	31,411.6	290.0	51.4	4,029.0	67.9	
1985	71.8	174.3	40.1	186.9	473.1	41,459.0	272.4	34.9	4,981.8	107.7	
1986	39.1	103.1	50.4	151.5	344.1	47,426.9	170.6	106.6	5,029.5	96.3	
1987	45.2	101.4	58.5	118.3	323.4	57,907.7	166.5	76.2	5,236.1	109.4	
1988	41.3	105.2	82.8	109.3	338.7	63,885.4	321.6	101.8	5,443.4	160.0	
1989	50.1	73.5	75.9	128.3	327.9	71,238.3	402.9	147.2	5,871.1	202.0	
1990	48.5	75.9	105.2	131.4	360.9	70,174.4	394.6	168.3	6,460.1	222.8	
1991	50.7	80.9	100.6	157.2	389.4	67,199.6	478.0	184.6	7,135.6	244.2	

	Engineering construction					Transport engineering construction	Total engineering construction	Total transport construction	Total construction
	Side-walks*	Airport runways	Railway tracks	Bridges	Tunnels, subways				
1978	69.3	42.5	800.0	328.2	71.5	168.3	4,350.8	15,956.2	4,551.7
1979	66.4	33.5	701.0	384.6	62.8	191.2	4,880.3	18,317.0	5,090.8
1980	73.3	51.1	848.7	429.3	73.4	229.9	5,489.4	21,786.7	5,755.8
1981	75.0	58.9	1,042.7	418.4	77.6	236.6	6,142.5	25,346.7	6,429.3
1982	79.4	73.2	1,320.3	451.8	107.8	251.5	6,750.2	27,221.9	7,068.9
1983	74.3	89.4	1,540.1	432.5	204.3	237.4	7,005.6	25,195.1	7,331.2
1984	86.1	93.3	1,630.4	551.0	120.3	233.3	7,152.7	25,162.9	7,570.4
1985	-	89.8	1,682.9	601.7	134.6	117.3	8,023.1	26,524.2	8,496.2
1986	-	65.1	1,342.7	529.8	131.3	102.3	7,576.2	24,273.8	7,920.2
1987	-	87.7	1,267.9	482.2	120.2	146.8	7,692.9	24,063.7	8,016.3
1988	-	118.0	1,200.9	513.1	106.6	157.7	8,123.2	26,986.1	8,461.9
1989	-	126.2	1,128.5	601.4	47.1	166.2	8,692.6	29,173.8	9,020.4
1990	-	131.4	1,054.5	639.6	49.4	150.8	9,271.5	31,684.0	9,632.5
1991	-	143.3	1,189.9	702.8	59.0	149.1	10,266.4	36,608.9	10,675.8

Percentage distribution of total construction by type of structure

	Railway stations	Railway shops	Air hangars	Pas-senger terminals	Transport building const.	Total building const.	Docks, wharves, piers	Canals, waterways	Highways, roads, streets	parking lots
1978	0.14	0.09	0.09	0.21	0.53	58.22	0.34	0.05	7.53	0.12
1979	0.16	0.12	0.08	0.14	0.49	57.43	0.32	0.05	7.53	0.10
1980	0.11	0.13	0.13	0.18	0.55	54.92	0.31	0.06	7.35	0.11
1981	0.12	0.09	0.12	0.19	0.50	55.44	0.42	0.06	6.87	0.08
1982	0.09	0.11	0.13	0.23	0.57	51.45	0.48	0.07	7.29	0.12
1983	0.11	0.16	0.09	0.22	0.58	54.97	0.41	0.07	7.34	0.10
1984	0.14	0.23	0.07	0.30	0.74	55.52	0.51	0.09	7.12	0.12
1985	0.11	0.26	0.06	0.27	0.70	60.98	0.40	0.05	7.33	0.16
1986	0.05	0.14	0.07	0.21	0.48	66.15	0.24	0.15	7.01	0.14
1987	0.06	0.12	0.07	0.14	0.39	70.64	0.20	0.09	6.39	0.13
1988	0.05	0.12	0.09	0.12	0.37	70.30	0.35	0.11	5.99	0.18
1989	0.05	0.07	0.08	0.13	0.33	70.95	0.40	0.15	5.85	0.20
1990	0.05	0.07	0.10	0.13	0.35	68.89	0.39	0.17	6.34	0.22
1991	0.05	0.08	0.10	0.15	0.38	64.73	0.46	0.18	6.87	0.24

	Side-walks*	Airport runways	Railway tracks	Bridges	Tunnels, subways	Fences, signs, guard rails	Transport engineering construction	Total engineering construction	Total transport construction	Total construction
1978	0.18	0.11	1.57	0.86	0.19	0.44	11.39	41.78	11.92	100.00
1979	0.15	0.08	1.63	0.89	0.15	0.44	11.34	42.57	11.83	100.00
1980	0.15	0.11	1.76	0.89	0.15	0.48	11.36	45.08	11.91	100.00
1981	0.13	0.10	1.83	0.74	0.14	0.42	10.80	44.56	11.30	100.00
1982	0.14	0.13	2.35	0.81	0.19	0.45	12.04	48.55	12.61	100.00
1983	0.13	0.16	2.75	0.77	0.37	0.42	12.52	45.03	13.10	100.00
1984	0.15	0.16	2.88	0.97	0.21	0.41	12.64	44.48	13.38	100.00
1985	-	0.13	2.48	0.89	0.20	0.17	11.80	39.02	12.50	100.00
1986	-	0.09	1.87	0.74	0.18	0.14	10.57	33.85	11.05	100.00
1987	-	0.11	1.55	0.59	0.15	0.18	9.38	29.38	9.78	100.00
1988	-	0.13	1.32	0.56	0.12	0.17	8.94	29.70	9.31	100.00
1989	-	0.13	1.12	0.80	0.05	0.17	8.66	29.05	8.98	100.00
1990	-	0.13	1.04	0.63	0.05	0.15	9.10	31.11	9.46	100.00
1991	-	0.14	1.15	0.68	0.06	0.14	9.91	35.27	10.29	100.00

Source: Statistics Canada, *Construction in Canada*, Catalogue no. 64-201, issue years 1987-1989 and 1989-1991, Table 6.

Notes: 1) 1990 data are preliminary; 1991 data are intentions; 2) Sidewalks were included in highway, road and street construction after 1984.

New and Repair Transportation-Related Building and Engineering Construction, by Type of Structure, 1986-1991

	\$'000s					
	New	Repair	Total	New	Repair	Total
	1986			1987		
Railway stations	3,303	35,838	39,141	10,758	34,437	45,195
Railway shops/engine houses	58,316	44,797	103,113	58,343	43,046	101,389
Aircraft hangars	17,789	32,582	50,371	25,800	32,676	58,476
Passenger terminals	134,943	16,525	151,468	101,999	16,328	118,327
Transport building construction	214,351	129,742	344,093	196,900	126,487	323,387
Share of total building construction	0.5%	2.0%	0.7%	0.4%	1.7%	0.6%
Total building construction	40,898,603	6,530,263	47,428,866	50,298,222	7,809,489	57,907,711
Docks, wharves, piers	105,550	65,080	170,630	103,752	62,719	166,471
Canals and waterways	101,421	5,135	106,556	71,155	5,057	76,212
Highways and roads	3,890,380	1,139,133	5,029,513	3,918,365	1,317,729	5,236,094
Parking lots	83,039	15,229	98,268	85,039	17,514	102,553
Runways, landing fields, tarmac	44,217	20,918	65,135	65,521	22,171	87,692
Railway tracks and roadbeds	625,182	717,506	1,342,688	576,580	691,346	1,267,926
Bridges, trestles etc.	370,942	158,867	529,809	311,533	170,888	482,421
Tunnels and subways	123,438	7,829	131,267	111,627	8,532	120,159
Fences, signs, and guardrails	78,123	24,161	102,284	103,735	43,038	146,773
Transport engineering construction	5,422,292	2,153,858	7,576,150	5,354,120	2,338,792	7,692,912
Share of total engineering construction	26.8%	53.1%	31.2%	27.3%	52.7%	32.0%
Total engineering construction	20,220,109	4,053,654	24,273,763	19,622,094	4,441,652	24,063,746
Total transport construction	5,636,643	2,283,600	7,920,243	5,551,020	2,465,279	8,016,299
Share of total construction	9.2%	21.6%	11.0%	7.9%	20.5%	9.8%
Total construction	61,116,712	10,583,917	71,700,629	69,920,316	12,051,141	81,971,457
	1988			1989		
Railway stations	6,434	34,888	41,322	15,770	34,324	50,094
Railway shops/engine houses	61,636	43,610	105,246	30,640	42,906	73,546
Aircraft hangars	44,311	38,468	82,779	34,085	41,862	75,947
Passenger terminals	90,861	18,478	109,339	105,958	22,313	128,271
Transport building construction	203,242	135,444	338,686	186,453	141,405	327,858
Share of total building construction	0.4%	1.5%	0.5%	0.3%	1.4%	0.5%
Total building construction	55,046,361	8,839,006	63,885,367	61,471,460	9,766,811	71,238,271
Docks, wharves, piers	253,346	68,297	321,643	318,467	84,385	402,852
Canals and waterways	95,227	6,534	101,761	140,524	6,671	147,195
Highways and roads	4,026,853	1,416,762	5,443,615	4,243,736	1,627,347	5,871,083
Parking lots	139,772	20,247	160,019	178,699	23,290	201,989
Runways, landing fields, tarmac	91,746	26,219	117,965	98,687	27,536	126,223
Railway tracks and roadbeds	499,531	701,387	1,200,918	430,208	698,277	1,128,485
Bridges, trestles etc.	329,084	184,059	513,143	400,070	201,323	601,393
Tunnels and subways	97,349	9,298	106,647	35,468	11,631	47,099
Fences, signs, and guardrails	112,852	44,841	157,693	116,175	50,056	166,231
Transport engineering construction	5,645,560	2,477,644	8,123,204	5,962,034	2,730,516	8,692,550
Share of total engineering construction	25.3%	52.9%	30.1%	25.0%	51.5%	29.8%
Total engineering construction	22,306,563	4,679,491	26,986,054	23,875,339	5,298,478	29,173,817
Total transport construction	5,848,802	2,613,088	8,461,890	6,148,467	2,871,921	9,020,408
Share of total construction	7.6%	19.3%	9.3%	7.2%	19.1%	9.0%
Total construction	77,352,924	13,518,497	90,871,421	85,346,799	15,065,289	100,412,088
	1990			1991		
Railway stations	15,527	33,001	48,528	15,557	35,169	50,726
Railway shops/engine houses	34,653	41,252	75,905	36,891	43,962	80,853
Aircraft hangars	66,908	38,256	105,164	81,126	39,472	100,598
Passenger terminals	112,612	18,740	131,352	138,146	19,079	157,225
Transport building construction	229,700	131,249	360,949	251,720	137,682	389,402
Share of total building construction	0.4%	1.3%	0.5%	0.4%	1.3%	0.6%
Total building construction	60,095,224	10,079,184	70,174,408	56,851,324	10,338,237	67,189,561
Docks, wharves, piers	314,529	80,045	394,574	396,034	81,998	478,032
Canals and waterways	162,200	6,108	168,308	178,246	6,334	184,580
Highways and roads	4,767,130	1,692,952	6,460,082	5,354,500	1,781,116	7,135,616
Parking lots	197,472	25,340	222,812	218,177	26,002	244,179
Runways, landing fields, tarmac	104,638	26,755	131,393	115,314	27,987	143,301
Railway tracks and roadbeds	379,229	675,316	1,054,545	470,933	718,944	1,189,877
Bridges, trestles etc.	423,051	216,572	639,623	472,232	230,557	702,789
Tunnels and subways	37,011	12,397	49,408	45,825	13,127	58,952
Fences, signs, and guardrails	100,740	50,038	150,778	97,808	51,290	149,098
Transport engineering construction	6,486,000	2,785,523	9,271,523	7,349,069	2,937,355	10,286,424
Share of total engineering construction	24.8%	50.6%	29.3%	23.8%	51.1%	28.1%
Total engineering construction	26,179,231	5,504,811	31,684,042	30,856,892	5,752,045	36,608,937
Total transport construction	6,715,700	2,916,772	9,632,472	7,600,789	3,075,037	10,675,826
Share of total construction	7.8%	18.7%	9.5%	8.7%	19.1%	10.3%
Total construction	86,274,455	15,583,995	101,858,450	87,708,216	16,090,282	103,798,498

Source: Statistics Canada, *Construction in Canada*, Catalogue no. 64-201, issue years 1987-1989 and 1989-1991, Table 9.

Notes: 1990 data are preliminary; 1991 data are intentions.

Transportation-Related Building and Engineering Construction
Conducted by the Three Levels of Government, 1986-1991

\$'000s

	New	Repair 1986	Total	New	Repair 1987	Total
I. Federal government						
Aircraft hangars	4,801	20,544	25,345	5,515	20,229	25,744
Passenger terminals	55,514	5,135	60,649	42,503	5,057	47,560
Transport building construction	60,315	25,679	85,994	48,018	25,286	73,304
Share of total building construction	10.8%	9.4%	10.3%	7.9%	9.4%	8.4%
Total building construction	558,742	272,188	830,930	606,110	268,031	874,141
Docks, wharves, piers	51,380	30,815	82,195	40,705	30,346	71,051
Canals and waterways	823	5,135	5,958	6,182	5,057	11,239
Highways and roads	87,841	46,222	134,063	100,580	45,514	146,094
Parking lots	2,856	5,135	7,991	3,501	5,057	8,558
Runways, landing fields, tarmac	24,254	10,270	34,524	47,694	10,113	57,807
Bridges, trestles etc.	7,875	5,135	13,010	9,242	5,057	14,299
Transport engineering construction	175,029	102,712	277,741	207,904	101,144	309,048
Share of total engineering construction	41.8%	42.6%	42.1%	43.8%	42.6%	43.4%
Total engineering construction	418,292	241,369	659,661	474,277	237,681	711,958
Total transport construction	235,344	128,391	363,735	255,922	126,430	382,352
Share of total construction	24.1%	25.0%	24.4%	23.7%	25.0%	24.1%
Total construction	977,034	513,557	1,490,591	1,080,387	505,712	1,586,099
1988						
Aircraft hangars	15,724	26,127	41,851	8,811	26,681	35,492
Passenger terminals	43,842	6,534	50,376	77,173	6,671	83,844
Transport building construction	59,566	32,661	92,227	85,984	33,352	119,336
Share of total building construction	9.2%	9.4%	9.3%	11.8%	9.4%	11.0%
Total building construction	647,651	346,210	993,861	729,460	353,524	1,082,984
Docks, wharves, piers	139,529	39,193	178,722	151,954	40,020	191,974
Canals and waterways	4,416	6,534	10,950	4,056	6,671	10,727
Highways and roads	100,977	58,788	159,765	95,946	60,032	155,978
Parking lots	3,842	6,534	10,376	7,212	6,671	13,883
Runways, landing fields, tarmac	48,341	13,064	61,405	53,454	13,340	66,794
Bridges, trestles etc.	5,902	6,534	12,436	1,256	6,671	7,927
Transport engineering construction	303,007	130,647	433,654	313,878	133,405	447,283
Share of total engineering construction	57.3%	42.6%	51.9%	49.2%	42.6%	47.0%
Total engineering construction	528,808	307,015	835,823	637,394	313,502	950,896
Total transport construction	362,573	163,308	525,881	399,862	166,757	566,619
Share of total construction	30.8%	25.0%	28.7%	29.3%	25.0%	27.9%
Total construction	1,176,459	653,225	1,829,684	1,366,854	667,026	2,033,880
1990						
Aircraft hangars	8,910	24,433	33,343	9,711	25,336	35,047
Passenger terminals	81,037	6,108	87,145	88,938	6,334	95,272
Transport building construction	89,947	30,541	120,488	98,649	31,670	130,319
Share of total building construction	12.3%	9.4%	11.4%	12.3%	9.4%	11.4%
Total building construction	734,146	323,745	1,057,891	803,410	335,696	1,139,106
Docks, wharves, piers	140,235	36,648	176,883	154,952	38,003	192,955
Canals and waterways	4,378	6,108	10,486	4,860	6,334	11,194
Highways and roads	90,186	54,976	145,162	99,013	57,004	156,017
Parking lots	7,057	6,108	13,165	7,908	6,334	14,242
Runways, landing fields, tarmac	53,864	12,216	66,080	58,591	12,668	71,259
Bridges, trestles etc.	1,256	6,108	7,364	1,379	6,334	7,713
Transport engineering construction	296,976	122,164	419,140	326,703	126,677	453,380
Share of total engineering construction	48.6%	42.6%	46.7%	49.9%	42.6%	47.6%
Total engineering construction	610,942	287,089	898,031	655,362	297,693	953,055
Total transport construction	386,923	152,705	539,628	425,352	158,347	583,699
Share of total construction	28.8%	25.0%	27.6%	29.2%	25.0%	27.9%
Total construction	1,345,088	610,834	1,955,922	1,458,772	633,389	2,092,161

Transportation—Related Building and Engineering Construction
Conducted by the Three Levels of Government, 1986–1991

\$'000s

	New	Repair 1986	Total	New	Repair 1987	Total
II. Provincial governments						
Total building construction	416,301	117,134	533,435	536,344	132,645	668,989
Docks, wharves, piers	6,515	—	6,515	5,498	—	5,498
Highways and roads	2,308,293	777,341	3,085,634	2,088,015	880,279	2,968,294
Parking lots	1,170	—	1,170	2,536	—	2,536
Bridges, trestles etc.	193,962	85,188	279,150	156,812	96,468	253,280
Transport engineering construction	2,509,940	862,529	3,372,469	2,252,861	976,747	3,229,608
Share of total engineering construction	89.4%	91.0%	89.8%	89.6%	91.0%	90.0%
Total engineering construction	2,807,246	947,716	3,754,962	2,513,908	1,073,214	3,587,122
Total transport construction	2,509,940	862,529	3,372,469	2,252,861	976,747	3,229,608
Share of total construction	77.9%	81.0%	78.6%	73.9%	81.0%	75.9%
Total construction	3,223,547	1,064,850	4,288,397	3,050,252	1,205,859	4,256,111
1988						
Total building construction	532,494	144,701	677,195	587,922	156,145	744,067
Docks, wharves, piers	2,109	—	2,109	3,280	—	3,280
Highways and roads	2,006,045	960,283	2,966,328	2,340,585	1,036,256	3,376,841
Parking lots	2,176	—	2,176	726	—	726
Bridges, trestles etc.	144,690	105,236	249,926	219,755	113,562	333,317
Transport engineering construction	2,155,020	1,065,519	3,220,539	2,564,346	1,149,818	3,714,164
Share of total engineering construction	86.3%	91.0%	87.8%	87.4%	91.0%	88.5%
Total engineering construction	2,497,667	1,170,757	3,668,424	2,932,661	1,263,382	4,196,043
Total transport construction	2,155,020	1,065,519	3,220,539	2,564,346	1,149,818	3,714,164
Share of total construction	71.1%	81.0%	74.1%	72.8%	81.0%	75.2%
Total construction	3,030,161	1,315,458	4,345,619	3,520,583	1,419,527	4,940,110
1990						
Total building construction	664,219	159,918	824,137	746,999	168,501	915,500
Docks, wharves, piers	3,860	—	3,860	4,203	—	4,203
Highways and roads	2,590,349	1,061,299	3,651,648	2,806,082	1,118,252	3,924,334
Parking lots	890	—	890	992	—	992
Bridges, trestles etc.	240,642	116,305	356,947	257,148	122,548	379,696
Transport engineering construction	2,835,741	1,177,604	4,013,345	3,068,425	1,240,800	4,309,225
Share of total engineering construction	87.0%	91.0%	88.1%	87.8%	91.0%	88.7%
Total engineering construction	3,259,163	1,293,910	4,553,073	3,495,680	1,363,350	4,859,030
Total transport construction	2,835,741	1,177,604	4,013,345	3,068,425	1,240,800	4,309,225
Share of total construction	72.3%	81.0%	74.6%	72.3%	81.0%	74.6%
Total construction	3,923,382	1,453,828	5,377,210	4,242,679	1,531,851	5,774,530

Transportation-Related Building and Engineering Construction
Conducted by the Three Levels of Government, 1986-1991

\$'000s

	New	Repair 1986	Total	New	Repair 1987	Total
III. Municipal governments						
Total building construction	558,155	58,227	614,382	749,574	79,181	828,755
Highways and roads	1,156,173	215,569	1,371,742	1,345,973	303,522	1,649,495
Bridges, trestles etc.	119,603	4,684	124,287	87,729	6,599	94,328
Transport engineering construction	1,275,776	220,253	1,496,029	1,433,702	310,121	1,743,823
Share of total engineering construction	37.2%	53.4%	38.9%	42.7%	53.4%	44.3%
Total engineering construction	3,428,649	412,385	3,841,034	3,354,283	580,654	3,934,937
Total transport construction	1,275,776	220,253	1,496,029	1,433,702	310,121	1,743,823
Share of total construction	32.0%	47.0%	33.6%	34.9%	47.0%	36.6%
Total construction	3,986,804	468,612	4,455,416	4,103,857	659,835	4,763,692
1988						
Total building construction	772,235	79,998	852,233	954,108	105,812	1,059,920
Highways and roads	1,538,349	306,655	1,845,004	1,545,607	405,590	1,951,197
Bridges, trestles etc.	122,224	6,667	128,891	111,168	8,818	119,986
Transport engineering construction	1,660,573	313,322	1,973,895	1,656,775	414,408	2,071,183
Share of total engineering construction	44.2%	53.4%	45.4%	40.5%	53.4%	42.6%
Total engineering construction	3,757,329	586,645	4,343,974	4,090,246	775,912	4,866,158
Total transport construction	1,660,573	313,322	1,973,895	1,656,775	414,408	2,071,183
Share of total construction	36.7%	47.0%	38.0%	32.8%	47.0%	35.0%
Total construction	4,529,564	666,643	5,196,207	5,044,354	881,724	5,926,078
1990						
Total building construction	1,157,484	121,079	1,278,563	1,361,008	127,035	1,488,043
Highways and roads	1,831,680	464,130	2,295,810	2,146,391	486,900	2,633,291
Bridges, trestles etc.	133,057	10,088	143,145	161,210	10,586	171,796
Transport engineering construction	1,964,737	474,218	2,438,955	2,307,601	497,486	2,805,087
Share of total engineering construction	40.5%	53.4%	42.5%	40.8%	53.4%	42.6%
Total engineering construction	4,847,551	887,893	5,735,444	5,652,376	931,479	6,583,855
Total transport construction	1,964,737	474,218	2,438,955	2,307,601	497,486	2,805,087
Share of total construction	32.7%	47.0%	34.8%	32.9%	47.0%	34.8%
Total construction	6,005,035	1,008,972	7,014,007	7,013,384	1,058,514	8,071,898
1991						

**Transportation—Related Building and Engineering Construction
Conducted by the Three Levels of Government, 1986–1991**

\$'000s

	New	Repair 1986	Total	New	Repair 1987	Total
IV. All levels of government						
Aircraft hangars	4,801	20,544	25,345	5,515	20,229	25,744
Passenger terminals	55,514	5,135	60,649	42,503	5,057	47,560
Transport building construction	60,315	25,679	85,994	48,018	25,286	73,304
Share of total building construction	3.9%	5.8%	4.3%	2.5%	5.3%	3.1%
Total building construction	1,533,198	445,549	1,978,747	1,892,028	479,857	2,371,885
Docks, wharves, piers	57,895	30,815	88,710	46,203	30,346	76,549
Canals and waterways	823	5,135	5,958	6,182	5,057	11,239
Highways and roads	3,552,307	1,039,132	4,591,439	3,534,568	1,229,315	4,763,883
Parking lots	4,026	5,135	9,161	6,037	5,057	11,094
Runways, landing fields, tarmac	24,254	10,270	34,524	47,694	10,113	57,807
Bridges, trestles etc.	321,440	95,007	416,447	253,783	108,124	361,907
Transport engineering construction	3,960,745	1,185,494	5,146,239	3,894,467	1,388,012	5,282,479
Share of total engineering construction	59.5%	74.0%	62.3%	61.4%	73.4%	64.2%
Total engineering construction	6,654,187	1,601,470	8,255,657	6,342,468	1,891,549	8,234,017
Total transport construction	4,021,060	1,211,173	5,232,233	3,942,485	1,413,298	5,355,783
Share of total construction	49.1%	59.2%	51.1%	47.9%	59.6%	50.5%
Total construction	8,187,385	2,047,019	10,234,404	8,234,496	2,371,406	10,605,902
1988						
Aircraft hangars	15,724	26,127	41,851	8,811	26,681	35,492
Passenger terminals	43,842	6,534	50,376	77,173	6,671	83,844
Transport building construction	59,566	32,661	92,227	85,984	33,352	119,336
Share of total building construction	3.1%	5.7%	3.7%	3.8%	5.4%	4.1%
Total building construction	1,952,380	570,909	2,523,289	2,271,490	615,481	2,886,971
Docks, wharves, piers	141,638	39,193	180,831	155,234	40,020	195,254
Canals and waterways	4,416	6,534	10,950	4,056	6,671	10,727
Highways and roads	3,645,371	1,325,726	4,971,097	3,982,138	1,501,878	5,484,016
Parking lots	6,018	6,534	12,552	7,938	6,671	14,609
Runways, landing fields, tarmac	48,341	13,064	61,405	53,454	13,340	66,794
Bridges, trestles etc.	272,816	118,437	391,253	332,179	129,051	461,230
Transport engineering construction	4,118,600	1,509,488	5,628,088	4,534,999	1,697,631	6,232,630
Share of total engineering construction	60.7%	73.1%	63.6%	59.2%	72.2%	62.2%
Total engineering construction	6,783,804	2,064,417	8,848,221	7,660,301	2,352,796	10,013,097
Total transport construction	4,178,166	1,542,149	5,720,315	4,620,983	1,730,983	6,351,966
Share of total construction	47.8%	58.5%	50.3%	46.5%	58.3%	49.2%
Total construction	8,736,184	2,635,326	11,371,510	9,931,791	2,968,277	12,900,068
1990						
Aircraft hangars	8,910	24,433	33,343	9,711	25,336	35,047
Passenger terminals	81,037	6,108	87,145	88,938	6,334	95,272
Transport building construction	89,947	30,541	120,488	98,649	31,670	130,319
Share of total building construction	3.5%	5.1%	3.8%	3.4%	5.0%	3.7%
Total building construction	2,555,849	604,742	3,160,591	2,911,417	631,232	3,542,649
Docks, wharves, piers	144,095	36,648	180,743	159,155	38,003	197,158
Canals and waterways	4,378	6,108	10,486	4,860	6,334	11,194
Highways and roads	4,512,215	1,580,405	6,092,620	5,051,486	1,662,156	6,713,642
Parking lots	7,947	6,108	14,055	8,900	6,334	15,234
Runways, landing fields, tarmac	53,864	12,216	66,080	58,591	12,668	71,259
Bridges, trestles etc.	374,955	132,501	507,456	419,737	139,468	559,205
Transport engineering construction	5,097,454	1,773,986	6,871,440	5,702,729	1,864,963	7,567,692
Share of total engineering construction	58.5%	71.9%	61.4%	58.2%	71.9%	61.0%
Total engineering construction	8,717,656	2,468,892	11,186,548	9,803,418	2,592,522	12,395,940
Total transport construction	5,187,401	1,804,527	6,991,928	5,801,378	1,896,633	7,698,011
Share of total construction	46.0%	58.7%	48.7%	45.6%	58.8%	48.3%
Total construction	11,273,505	3,073,634	14,347,139	12,714,835	3,223,754	15,938,589

Source: Statistics Canada, *Construction in Canada*, Catalogue no. 64–201, issue years 1987–1989 and 1989–1991, Tables 14–16.

Note: Sidewalks, paths, fences, signs and guardrails are included in highway, road and street construction.

Transportation-Related Building and Engineering Construction by Government,
as a Share of the Total Construction Activity for Each Type of Structure, 1986-1991

(per cent)

	New	Repair 1986	Total		New	Repair 1987	Total
I. Federal government							
Aircraft hangars	27.0%	63.1%	50.3%		21.4%	61.9%	44.0%
Passenger terminals	41.1%	31.1%	40.0%		41.7%	31.0%	40.2%
Transport building construction	28.1%	19.8%	25.0%		24.4%	20.0%	22.7%
Total building construction	1.4%	4.2%	1.8%		1.2%	3.5%	1.5%
Docks, wharves, piers	48.7%	47.3%	48.2%		39.2%	48.4%	42.7%
Canals and waterways	0.8%	100.0%	5.6%		8.7%	100.0%	14.7%
Highways and roads	2.3%	4.1%	2.7%		2.6%	3.5%	2.8%
Parking lots	3.4%	33.7%	8.1%		3.8%	28.9%	7.8%
Runways, landing fields, tarmac	54.9%	49.1%	53.0%		72.8%	45.6%	65.9%
Bridges, trestles etc.	2.1%	3.2%	2.5%		3.0%	3.0%	3.0%
Transport engineering construction	3.2%	4.8%	3.7%		3.9%	4.3%	4.0%
Total engineering construction	2.1%	6.0%	2.7%		2.4%	5.4%	3.0%
Total transport construction	4.2%	5.6%	4.6%		4.6%	5.1%	4.8%
Total construction	1.6%	4.9%	2.1%		1.5%	4.2%	1.9%
	1988				1989		
Aircraft hangars	35.5%	67.9%	50.6%		25.9%	63.7%	46.7%
Passenger terminals	48.3%	35.4%	46.1%		72.8%	29.9%	65.4%
Transport building construction	29.3%	24.1%	27.2%		46.1%	23.6%	36.4%
Total building construction	1.2%	3.9%	1.6%		1.2%	3.6%	1.5%
Docks, wharves, piers	55.1%	57.4%	55.6%		47.7%	47.4%	47.7%
Canals and waterways	4.6%	100.0%	10.8%		2.9%	100.0%	7.3%
Highways and roads	2.5%	4.1%	2.9%		2.3%	3.7%	2.7%
Parking lots	2.7%	32.3%	6.5%		4.0%	28.6%	6.9%
Runways, landing fields, tarmac	52.7%	49.8%	52.1%		54.2%	48.4%	52.9%
Bridges, trestles etc.	1.8%	3.5%	2.4%		0.3%	3.3%	1.3%
Transport engineering construction	5.4%	5.3%	5.3%		5.3%	4.9%	5.1%
Total engineering construction	2.4%	6.6%	3.1%		2.7%	5.9%	3.3%
Total transport construction	6.2%	6.2%	6.2%		6.5%	5.8%	6.3%
Total construction	1.5%	4.8%	2.0%		1.6%	4.4%	2.0%
	1990				1991		
Aircraft hangars	13.3%	63.9%	31.7%		15.9%	64.2%	34.8%
Passenger terminals	72.0%	32.6%	66.3%		64.4%	33.2%	60.6%
Transport building construction	39.2%	23.3%	33.4%		39.2%	23.0%	33.5%
Total building construction	1.2%	3.2%	1.5%		1.4%	3.2%	1.7%
Docks, wharves, piers	44.6%	45.8%	44.8%		39.1%	46.3%	40.4%
Canals and waterways	2.7%	100.0%	6.2%		2.7%	100.0%	6.1%
Highways and roads	1.9%	3.2%	2.2%		1.8%	3.2%	2.2%
Parking lots	3.6%	24.1%	5.9%		3.6%	24.4%	5.8%
Runways, landing fields, tarmac	51.5%	45.7%	50.3%		50.8%	45.3%	49.7%
Bridges, trestles etc.	0.3%	2.8%	1.2%		0.3%	2.7%	1.1%
Transport engineering construction	4.6%	4.4%	4.5%		4.4%	4.3%	4.4%
Total engineering construction	2.3%	5.2%	2.8%		2.1%	5.2%	2.6%
Total transport construction	5.8%	5.2%	5.6%		5.6%	5.1%	5.5%
Total construction	1.6%	3.9%	1.9%		1.7%	3.9%	2.0%

Transportation-Related Building and Engineering Construction by Government,
as a Share of the Total Construction Activity for Each Type of Structure, 1986-1991

(per cent)

	New	Repair 1986	Total	New	Repair 1987	Total
II. Provincial governments						
Total building construction	1.0%	1.8%	1.1%	1.1%	1.7%	1.2%
Docks, wharves, piers	6.2%	0.0%	3.8%	5.3%	0.0%	3.3%
Highways and roads	59.3%	68.2%	61.4%	53.3%	66.8%	56.7%
Parking lots	1.4%	0.0%	1.2%	2.8%	0.0%	2.3%
Bridges, trestles etc.	52.3%	53.6%	52.7%	50.3%	56.5%	52.5%
Transport engineering construction	46.3%	40.0%	44.5%	42.1%	41.8%	42.0%
Total engineering construction	13.9%	23.4%	15.5%	12.8%	24.2%	14.9%
Total transport construction	44.5%	37.8%	42.6%	40.6%	39.6%	40.3%
Total construction	5.3%	10.1%	6.0%	4.4%	10.0%	5.2%
1988						
Total building construction	1.0%	1.6%	1.1%	1.0%	1.6%	1.0%
Docks, wharves, piers	0.8%	0.0%	0.7%	1.0%	0.0%	0.8%
Highways and roads	49.8%	67.8%	54.5%	55.2%	63.7%	57.5%
Parking lots	1.6%	0.0%	1.4%	0.4%	0.0%	0.4%
Bridges, trestles etc.	44.0%	57.2%	48.7%	54.9%	56.4%	55.4%
Transport engineering construction	38.2%	43.0%	39.6%	43.0%	42.1%	42.7%
Total engineering construction	11.2%	25.0%	13.6%	12.3%	23.8%	14.4%
Total transport construction	36.8%	40.8%	38.1%	41.7%	40.0%	41.2%
Total construction	3.9%	9.7%	4.8%	4.1%	9.4%	4.9%
1990						
Total building construction	1.1%	1.6%	1.2%	1.3%	1.6%	1.4%
Docks, wharves, piers	1.2%	0.0%	1.0%	1.1%	0.0%	0.9%
Highways and roads	54.3%	62.7%	56.5%	52.4%	62.8%	55.0%
Parking lots	0.5%	0.0%	0.4%	0.5%	0.0%	0.4%
Bridges, trestles etc.	56.9%	53.7%	55.8%	54.5%	53.2%	54.0%
Transport engineering construction	43.7%	42.3%	43.3%	41.8%	42.2%	41.9%
Total engineering construction	12.4%	23.5%	14.4%	11.3%	23.7%	13.3%
Total transport construction	42.2%	40.4%	41.7%	40.4%	40.4%	40.4%
Total construction	4.5%	9.3%	5.3%	4.8%	9.5%	5.6%
1991						
Total building construction	1.1%	1.6%	1.2%	1.3%	1.6%	1.4%
Docks, wharves, piers	1.2%	0.0%	1.0%	1.1%	0.0%	0.9%
Highways and roads	54.3%	62.7%	56.5%	52.4%	62.8%	55.0%
Parking lots	0.5%	0.0%	0.4%	0.5%	0.0%	0.4%
Bridges, trestles etc.	56.9%	53.7%	55.8%	54.5%	53.2%	54.0%
Transport engineering construction	43.7%	42.3%	43.3%	41.8%	42.2%	41.9%
Total engineering construction	12.4%	23.5%	14.4%	11.3%	23.7%	13.3%
Total transport construction	42.2%	40.4%	41.7%	40.4%	40.4%	40.4%
Total construction	4.5%	9.3%	5.3%	4.8%	9.5%	5.6%

Transportation-Related Building and Engineering Construction by Government,
as a Share of the Total Construction Activity for Each Type of Structure, 1986-1991

(per cent)

	New	Repair 1986	Total	New	Repair 1987	Total
III. Municipal Governments						
Total building construction	1.4%	0.9%	1.3%	1.5%	1.0%	1.4%
Highways and roads	29.7%	18.9%	27.3%	34.4%	23.0%	31.5%
Bridges, trestles etc.	32.2%	2.9%	23.5%	28.2%	3.9%	19.6%
Transport engineering construction	23.5%	10.2%	19.7%	26.8%	13.3%	22.7%
Total engineering construction	17.0%	10.2%	15.8%	17.1%	13.1%	16.4%
Total transport construction	22.6%	9.6%	18.9%	25.8%	12.6%	21.8%
Total construction	6.5%	4.4%	6.2%	5.9%	5.5%	5.8%
		1988			1989	
Total building construction	1.4%	0.9%	1.3%	1.6%	1.1%	1.5%
Highways and roads	38.2%	21.6%	33.9%	36.4%	24.9%	33.2%
Bridges, trestles etc.	37.1%	3.6%	25.1%	27.8%	4.4%	20.0%
Transport engineering construction	29.4%	12.6%	24.3%	27.8%	15.2%	23.8%
Total engineering construction	16.8%	12.5%	16.1%	17.1%	14.6%	16.7%
Total transport construction	28.4%	12.0%	23.3%	26.9%	14.4%	23.0%
Total construction	5.9%	4.9%	5.7%	5.9%	5.9%	5.9%
		1990			1991	
Total building construction	1.9%	1.2%	1.8%	2.4%	1.2%	2.2%
Highways and roads	38.4%	27.4%	35.5%	40.1%	27.3%	36.9%
Bridges, trestles etc.	31.5%	4.7%	22.4%	34.1%	4.6%	24.4%
Transport engineering construction	30.3%	17.0%	26.3%	31.4%	16.9%	27.3%
Total engineering construction	18.5%	16.1%	18.1%	18.3%	16.2%	18.0%
Total transport construction	29.3%	16.3%	25.3%	30.4%	16.2%	26.3%
Total construction	7.0%	6.5%	6.9%	8.0%	6.6%	7.8%

**Transportation-Related Building and Engineering Construction by Government,
as a Share of the Total Construction Activity for Each Type of Structure, 1986-1991**

(per cent)

	New	Repair 1986	Total	New	Repair 1987	Total
IV. All levels of government						
Aircraft hangars	27.0%	63.1%	50.3%	21.4%	61.9%	44.0%
Passenger terminals	41.1%	31.1%	40.0%	41.7%	31.0%	40.2%
Transport building construction	28.1%	19.8%	25.0%	24.4%	20.0%	22.7%
Total building construction	3.7%	6.8%	4.2%	3.8%	6.3%	4.1%
Docks, wharves, piers	54.9%	47.3%	52.0%	44.5%	48.4%	46.0%
Canals and waterways	0.8%	100.0%	5.6%	8.7%	100.0%	14.7%
Highways and roads	91.3%	91.2%	91.3%	90.2%	93.3%	91.0%
Parking lots	4.8%	33.7%	9.3%	6.6%	28.9%	10.1%
Runways, landing fields, tarmac	54.9%	49.1%	53.0%	72.8%	45.6%	65.9%
Bridges, trestles etc.	86.7%	59.8%	78.6%	81.5%	63.3%	75.1%
Transport engineering construction	73.0%	55.0%	67.9%	72.7%	59.3%	68.7%
Total engineering construction	32.9%	39.5%	34.0%	32.3%	42.6%	34.2%
Total transport construction	71.3%	53.0%	66.1%	71.0%	57.3%	66.8%
Total construction	13.4%	19.3%	14.3%	11.8%	19.7%	12.9%
1988						
Aircraft hangars	35.5%	67.9%	50.6%	25.9%	63.7%	46.7%
Passenger terminals	48.3%	35.4%	46.1%	72.8%	29.9%	65.4%
Transport building construction	29.3%	24.1%	27.2%	46.1%	23.6%	36.4%
Total building construction	3.5%	6.5%	3.9%	3.7%	6.3%	4.1%
Docks, wharves, piers	55.9%	57.4%	56.2%	48.7%	47.4%	48.5%
Canals and waterways	4.6%	100.0%	10.8%	2.9%	100.0%	7.3%
Highways and roads	90.5%	93.6%	91.3%	93.8%	92.3%	93.4%
Parking lots	4.3%	32.3%	7.8%	4.4%	28.6%	7.2%
Runways, landing fields, tarmac	52.7%	49.8%	52.1%	54.2%	48.4%	52.9%
Bridges, trestles etc.	82.9%	64.3%	76.2%	83.0%	64.1%	76.7%
Transport engineering construction	73.0%	60.9%	69.3%	76.1%	62.2%	71.7%
Total engineering construction	30.4%	44.1%	32.8%	32.1%	44.4%	34.3%
Total transport construction	71.4%	59.0%	67.6%	75.2%	60.3%	70.4%
Total construction	11.3%	19.5%	12.5%	11.6%	19.7%	12.8%
1990						
Aircraft hangars	13.3%	63.9%	31.7%	15.9%	64.2%	34.8%
Passenger terminals	72.0%	32.6%	66.3%	64.4%	33.2%	60.6%
Transport building construction	39.2%	23.3%	33.4%	39.2%	23.0%	33.5%
Total building construction	4.3%	6.0%	4.5%	5.1%	6.1%	5.3%
Docks, wharves, piers	45.8%	45.8%	45.8%	40.2%	46.3%	41.2%
Canals and waterways	2.7%	100.0%	6.2%	2.7%	100.0%	6.1%
Highways and roads	94.7%	93.4%	94.3%	94.3%	93.3%	94.1%
Parking lots	4.0%	24.1%	6.3%	4.1%	24.4%	6.2%
Runways, landing fields, tarmac	51.5%	45.7%	50.3%	50.8%	45.3%	49.7%
Bridges, trestles etc.	88.6%	61.2%	79.3%	88.9%	60.5%	79.6%
Transport engineering construction	78.6%	63.7%	74.1%	77.6%	63.5%	73.6%
Total engineering construction	33.3%	44.8%	35.3%	31.8%	45.1%	33.9%
Total transport construction	77.2%	61.9%	72.6%	76.3%	61.7%	72.1%
Total construction	13.1%	19.7%	14.1%	14.5%	20.0%	15.4%

Source: Statistics Canada, *Construction in Canada*, Catalogue no. 64-201, issue years 1987-1989 and 1989-1991, Tables 9, 14-16.

Notes: 1) Sidewalks, paths, fences, signs and guardrails are included in highway, road and street construction; 2) These shares data are derived by dividing each government entry in Table I-3 by the corresponding total figure in Table I-2; 3) Total government spending is the sum of all common entries in Tables 14-16 of Catalogue 64-201.

Consolidated Government Transport-Related Expenditures and Revenues, 1970-1990

	Transport expenditures					Tele- comm.	Other	Total trans- port and other expend.	Total trans- port and comm. expend.	Total consol- idated expenditures	Trans. share of total exp.
	Air	Road	Public transit	Rail	Water						
I. Consolidated government expenditures (\$ millions)											
1970	186	2,232	—	96	186	70	27	2,727	2,798	31,965	8.5
1971	298	2,360	—	106	234	30	159	3,157	3,187	36,585	8.6
1972	297	2,569	—	161	244	49	213	3,485	3,533	41,325	8.4
1973	462	2,988	—	273	300	54	53	4,075	4,129	47,467	8.6
1974	569	3,693	—	422	393	61	74	5,150	5,212	59,671	8.6
1975	649	4,191	—	374	416	76	122	5,753	5,828	71,997	8.0
1976	608	4,356	—	339	357	64	160	5,821	5,885	80,685	7.2
1977	589	4,628	236	382	410	98	185	6,431	6,529	90,353	7.1
1978	602	5,138	279	459	414	126	202	7,094	7,220	99,231	7.1
1979	581	5,499	264	405	386	125	235	7,370	7,495	110,987	6.6
1980	1,317	6,202	378	404	474	146	260	9,034	9,181	131,758	6.9
1981	807	6,910	472	466	564	192	264	9,483	9,675	153,325	6.2
1982	902	7,638	692	852	572	223	337	10,993	11,216	179,941	6.1
1983	1,038	7,208	936	926	686	217	372	11,167	11,385	193,566	5.8
1984	1,292	7,565	525	1,011	895	205	402	11,690	11,894	209,710	5.6
1985	1,291	8,346	562	749	892	207	544	12,386	12,592	224,496	5.5
1986	1,335	8,361	440	915	809	232	422	12,281	12,513	234,060	5.2
1987	1,289	8,684	447	1,178	734	241	376	12,709	12,950	250,232	5.1
1988								12,889	13,152	265,596	4.9
1989								14,141	14,430	288,914	4.9
1990								14,833	15,136	309,501	4.8

Note: postal services are deducted from totals for 1970-1981 to maintain comparability in the data;

Transportation and Communications total is based on unrevised data; total consolidated expenditure data are revised;

Figure in boldface is influenced by a federal write-off of about \$650 million; figures in italics are estimated.

	Total motive fuel taxes	Federal motive fuel taxes	Provincial motive fuel taxes	Air trans- port tax	Provincial motor vehicle permits	Federal air user fees	Total trans- port revenues	Total consol- idated revenues	Trans. share of total rev.
II. Consolidated government revenues, (\$ millions)									
1970	1,094	—	1,094	—	380	57	1,531	30,490	5.0
1971	1,168	—	1,168	—	413	63	1,644	33,422	4.9
1972	1,271	—	1,271	—	463	70	1,804	38,310	4.7
1973	1,419	—	1,419	—	500	81	2,000	45,108	4.4
1974	1,450	6	1,444	12	511	94	2,067	57,210	3.6
1975	1,943	425	1,518	35	633	98	2,710	62,796	4.3
1976	2,177	600	1,577	72	657	123	3,029	71,806	4.2
1977	2,266	598	1,668	77	736	135	3,215	77,916	4.1
1978	2,161	516	1,645	89	1,081	155	3,486	86,661	4.0
1979	2,202	420	1,782	120	1,136	189	3,647	99,273	3.7
1980	2,317	454	1,863	166	1,175	194	3,851	114,939	3.4
1981	3,030	436	2,593	189	1,279	222	4,719	138,443	3.4
1982	3,416	407	3,008	198	1,302	227	5,144	145,782	3.5
1983	3,616	386	3,229	208	1,343	243	5,409	153,767	3.5
1984	3,584	405	3,180	226	1,521	301	5,632	167,123	3.4
1985	4,034	770	3,264	306	1,509	340	6,189	179,424	3.4
1986	4,776	1,491	3,285	348	1,601	396	7,121	191,063	3.7
1987	6,501	2,671	3,830	435	1,774	428	9,138	216,249	4.2
1988	6,731	2,542	4,189	499	1,894	465	9,588	234,049	4.1
1989	6,579	2,414	4,165	494	2,029	503	9,604	255,210	3.8
1990	7,283	2,975	4,308	488	2,212	562	10,545	274,539	3.8

Sources:

Expenditures: 1970-1982: Statistics Canada, *Consolidated Government Finance*, Catalogue no. 68-202, Table 2; 1983-1990: Unpublished data from Statistics Canada.

Revenues: 1970-1982: same as above except Table 1; 1983-1990: same as above.

Total Consolidated revenues and expenditures: Statistics Canada, *Public Finance Historical Data 1965/66-1991/92*, Catalogue no. 68-512, March 1992, Table H9 and H10.

Exceptions: **Motive fuel taxes** are taken from Statistics Canada, *Public Finance Historical Data 1965/66-1991/92*, Catalogue no. 68-512, March 1992, Table H1 (Federal) and H3 (Provincial); **Air transportation tax** from 1984-1990 was taken from Supply and Services, *Public Accounts*, Volume 2, Department of Transport's section; Revenues from **motor vehicle permits** for 1986-1990 were taken from Statistics Canada, *National Income and Expenditure Accounts 1980-1991*, Catalogue no. 13-201, August 1992, Table 44, Line 15, and Table 45, line 2; **Federal air user charges and fees** are from Supply and Services, *Public Accounts*, Volume 2, Dept. of Transport's accounts. Data from 1970-1977 are to be found in Appendix 3, 1978-1981 in Appendix 2, 1982-1983 Appendix 1, 1984-1990 the table "Details of Amounts Credited to the Vote". Data exclude the air transportation tax portion in the Accounts, where possible, and also any inter-departmental recoveries.

Gross Government Expenditures On Transportation, 1975-1991

	Air	Road	Rail	Water	Public transit	Total trans- port	Other expend.	Total transport/ other expenditures	Total gross expenditures	T&C share of total expend.	Share of total T&C exp.	Share of gross exp.
I. Federal government (\$ millions)												
1975	635.0	112.3	384.7	268.9	—	1,400.9	122.6	1,523.8	37,464	4.1%	23.9%	42.8%
1976	589.2	139.9	405.5	312.0	—	1,446.6	130.1	1,576.7	42,086	3.7%	23.6%	42.5%
1977	575.7	132.1	418.6	374.3	—	1,500.8	168.1	1,668.8	46,254	3.6%	22.4%	41.9%
1978	576.8	251.3	483.6	393.6	—	1,705.2	214.0	1,919.2	50,687	3.8%	23.3%	41.7%
1979	561.3	191.2	414.3	377.0	—	1,543.7	219.0	1,762.7	56,863	3.1%	20.6%	41.7%
1980	1,293.3	180.9	405.9	440.4	—	2,300.5	245.5	2,546.0	67,829	3.8%	24.6%	42.9%
1981	789.9	158.5	454.7	539.4	—	1,942.4	343.3	2,285.7	79,381	2.9%	20.7%	43.1%
1982	873.6	175.0	851.9	537.9	—	2,438.3	380.0	2,818.3	93,766	3.0%	22.0%	43.6%
1983	1,007.0	196.1	928.1	650.6	—	2,781.8	408.3	3,190.1	102,961	3.1%	25.1%	44.2%
1984	1,262.1	214.2	1,013.3	860.2	—	3,349.7	384.1	3,733.8	115,039	3.2%	28.3%	45.6%
1985	1,257.4	223.4	1,014.3	847.6	—	3,079.7	377.7	3,457.4	116,911	3.0%	24.8%	43.9%
1986	1,302.0	185.6	920.5	786.6	—	3,174.7	361.3	3,536.0	120,826	2.9%	25.2%	43.5%
1987	1,268.0	236.0	1,184.0	709.0	—	3,397.0	292.0	3,689.0	130,720	2.8%	25.7%	43.9%
1988	1,337.0	242.0	1,015.0	786.0	—	3,360.0	367.0	3,727.0	136,334	2.7%	25.3%	43.3%
1989	1,464.0	265.0	890.0	792.0	—	3,211.0	399.0	3,610.0	148,748	2.4%	22.4%	43.9%
1990	1,404.0	248.0	821.0	828.0	—	3,299.0	341.0	3,640.0	159,285	2.3%	21.2%	43.3%
1991	1,447.0	249.0	856.0	788.0	—	3,342.0	388.0	3,730.0	168,062	2.2%	20.9%	42.6%
II. Provincial government (\$ millions)												
1975	18.0	2,711.4	1.1	143.5	—	2,873.9	54.6	2,928.5	34,356.8	8.5%	45.9%	39.2%
1976	26.7	2,616.8	1.7	42.2	—	2,687.4	294.9	2,982.3	38,757.4	7.7%	44.6%	39.1%
1977	23.7	2,771.6	0.2	40.9	364.7	3,201.0	136.5	3,337.6	43,341.7	7.7%	44.9%	39.3%
1978	35.2	3,109.9	0.3	29.3	389.5	3,544.1	95.2	3,639.3	48,157.0	7.6%	44.2%	39.6%
1979	31.3	3,371.0	0.1	21.5	448.4	3,872.2	114.7	3,986.9	54,940.1	7.3%	46.5%	40.3%
1980	37.8	3,537.0	42.8	46.8	558.0	4,222.4	259.6	4,482.0	62,104.3	7.2%	43.4%	39.3%
1981	40.4	4,051.2	11.4	47.2	710.8	4,861.1	300.5	5,161.6	72,706.6	7.1%	46.7%	39.5%
1982	50.7	4,544.2	0.3	51.5	1,197.9	5,844.6	246.1	6,090.7	85,679.0	7.1%	47.6%	39.9%
1983	64.9	4,275.5	0.5	54.2	1,350.9	5,746.0	195.4	5,941.4	92,192.2	6.4%	46.7%	39.6%
1984	74.1	4,302.7	0.6	54.6	967.5	5,399.5	172.3	5,571.8	97,752.3	5.7%	42.2%	38.8%
1985	78.3	4,752.3	0.5	65.0	993.4	5,887.4	283.8	6,171.2	107,639.0	5.7%	44.3%	40.4%
1986	73.8	4,591.0	0.6	37.9	994.1	5,697.4	260.4	5,957.8	112,856.5	5.3%	42.5%	40.6%
1987	71.5	4,504.9	1.4	42.6	870.7	5,491.1	287.3	5,758.4	119,355.2	4.8%	40.1%	40.1%
1988	63.6	4,755.1	25.9	45.4	730.8	5,620.8	291.8	5,912.6	128,014.2	4.6%	40.1%	40.6%
1989	72.3	5,535.8	6.9	47.4	888.7	6,551.1	207.8	6,758.7	134,851.2	5.0%	41.9%	39.8%
1990	62.0	5,525.1	55.1	42.0	1,036.7	6,720.9	499.4	7,220.3	148,854.7	4.9%	42.0%	40.5%
1991	94.4	5,588.2	31.7	38.4	1,129.3	6,882.0	559.2	7,441.2	161,819.3	4.6%	41.8%	41.0%
III. Local government (\$ millions)												
1975	—	1,733.8	—	—	109.9	1,843.7	82.2	1,925.9	15,766.3	12.2%	30.2%	18.0%
1976	—	1,921.2	—	—	115.1	2,036.3	91.1	2,127.4	18,266.7	11.6%	31.8%	18.4%
1977	—	2,165.8	—	—	146.5	2,312.3	118.0	2,430.3	20,750.7	11.7%	32.7%	18.8%
1978	—	2,329.3	—	—	204.8	2,534.2	150.2	2,684.3	22,767.2	11.8%	32.6%	18.7%
1979	—	2,582.8	—	—	142.8	2,725.5	91.9	2,817.4	24,520.0	11.5%	32.9%	18.0%
1980	—	3,112.9	—	—	139.8	3,252.7	51.7	3,304.4	28,071.4	11.8%	32.0%	17.8%
1981	—	3,368.4	—	—	175.8	3,542.2	51.7	3,593.9	32,041.3	11.2%	32.5%	17.4%
1982	—	3,621.6	—	—	219.4	3,841.0	53.9	3,894.9	35,539.4	11.0%	30.4%	16.5%
1983	—	3,460.4	—	—	76.4	3,536.7	59.3	3,596.1	37,623.7	9.6%	28.3%	16.2%
1984	—	3,779.9	—	—	60.6	3,840.6	70.6	3,911.2	39,289.7	10.0%	29.6%	15.6%
1985	—	4,098.9	—	—	68.4	4,167.4	125.1	4,292.5	41,878.5	10.2%	30.8%	15.7%
1986	—	4,307.7	—	—	80.8	4,388.6	134.8	4,523.4	44,348.1	10.2%	32.3%	16.0%
1987	—	4,774.9	—	—	66.3	4,841.2	63.9	4,905.1	47,702.7	10.3%	34.2%	16.0%
1988	—	4,943.8	—	—	88.6	5,032.4	86.5	5,118.9	50,774.7	10.1%	34.7%	16.1%
1989	—	5,836.9	—	—	43.5	5,880.4	85.3	5,965.7	54,990.4	10.5%	35.7%	16.2%
1990	—	6,183.8	—	—	50.1	6,233.9	84.2	6,318.1	59,688.2	10.6%	36.8%	16.2%
1991	—	6,482.7	—	—	50.2	6,532.8	102.4	6,635.3	64,835.8	10.2%	37.3%	16.4%
IV. All levels (\$ millions)												
1975	653.0	4,557.5	385.8	412.4	109.9	6,118.5	259.5	6,378.0	87,587.1	7.3%	100.0%	100.0%
1976	616.0	4,677.9	407.2	354.2	115.1	6,170.4	516.1	6,686.4	99,110.1	6.7%	100.0%	100.0%
1977	599.4	5,069.4	418.8	415.2	511.2	7,014.1	422.6	7,436.7	110,348.4	6.7%	100.0%	100.0%
1978	611.9	5,690.5	483.9	422.9	574.3	7,783.5	459.3	8,242.8	121,611.2	6.8%	100.0%	100.0%
1979	592.5	6,145.0	414.3	398.4	591.1	8,141.4	425.8	8,567.0	136,323.4	6.3%	100.0%	100.0%
1980	1,331.1	6,810.8	448.8	487.2	697.8	9,775.6	556.8	10,332.4	158,004.7	6.5%	100.0%	100.0%
1981	830.3	7,578.2	466.1	586.8	886.6	10,345.8	695.5	11,041.2	184,128.9	6.0%	100.0%	100.0%
1982	924.3	8,340.8	852.2	569.4	1,417.3	12,123.9	680.0	12,803.9	214,964.4	6.0%	100.0%	100.0%
1983	1,072.0	7,931.9	928.6	704.7	1,427.3	12,064.5	663.1	12,727.6	232,776.9	5.5%	100.0%	100.0%
1984	1,336.2	8,296.8	1,013.9	914.8	1,028.1	12,589.8	627.0	13,216.8	252,081.0	5.2%	100.0%	100.0%
1985	1,333.8	9,074.6	751.9	912.6	1,061.8	13,134.4	786.6	13,921.0	266,428.5	5.2%	100.0%	100.0%
1986	1,375.8	9,064.4	921.0	824.5	1,075.0	13,260.7	756.5	14,017.2	278,030.6	5.0%	100.0%	100.0%
1987	1,339.5	9,515.8	1,185.4	751.6	937.0	13,729.3	623.2	14,352.6	297,777.9	4.8%	100.0%	100.0%
1988	1,400.8	9,940.9	1,040.9	811.4	819.4	14,013.2	745.3	14,758.5	315,122.9	4.7%	100.0%	100.0%
1989	1,536.3	11,437.7	966.9	839.4	932.2	15,442.5	691.9	16,134.4	338,589.6	4.8%	100.0%	100.0%
1990	1,466.0	11,954.9	876.1	870.0	1,086.8	16,253.8	924.6	17,178.4	367,827.9	4.7%	100.0%	100.0%
1991	1,541.4	12,319.9	889.7	826.4	1,179.5	16,756.8	1,049.8	17,806.5	394,717.1	4.5%	100.0%	100.0%

Sources: Federal government: 1975-1986: Statistics Canada, *Federal Government Finance, Revenue and Expenditure, Assets and Liabilities*, Catalogue no. 68-211, Table 2; 1987-1991: Unpublished data from Public Institutions Division, Statistics Canada; Provincial government: 1975-1981: SC, *Provincial Government Finance, Revenue and Expenditure*, Cat. no. 68-207, Table 2; 1982-1991: Unpublished data from Public Institutions Division, Statistics Canada; Local government: 1975-1982: SC, *Local Government Finance, Revenue and Expenditure, Assets and Liabilities*, Cat. no. 68-204, Table 2; 1983-1991: unpublished data from PID, SC. Road total includes snow removal expenditures and parking; Gross expenditures are from Statistics Canada, *Public Finance Historical Data 1965/66-1991/92*, Catalogue no. 68-512, March 1992, Table H2, H4, and H6.

Notes: 1) Figures presented above are before intergovernmental transactions have been deducted. Thus, the numbers shown are higher than actual owing to this double-counting. Consolidated data are contained in the previous table; 2) Figure in boldface is influenced by a write-off of about \$650 million.

Effective Provincial Government Gasoline and Fuel Tax Rates, July 1, 1989

Use	Nfld.		P.E.I.		N.S.		N.B.		Quebec		Ontario	
	%	¢/L	%	¢/L	%	¢/L	%	¢/L	%	¢/L	%	¢/L
Statutory or prescribed rate for on-highway use												
Gasoline	23	10.7	20	8.8	20	8.9	20	10.4	na	14.40	na	10.3
Regular leaded		12.2						12.4		14.40		13.3
Regular unleaded		10.7						10.4		14.40		10.3
High octane leaded		12.2						10.9		14.70		13.3
High octane unleaded		10.7						10.9		14.70		10.3
Reduced rates for qualifying off-highway uses												
Diesel (fuel oil)	27	12.3	23	9.0	21	8.8	30	11.4	na	12.45	na	10.9
Propane or butane	22	9.8	20	8.8	20	8.9	13	5.1	na	8.25	nil	2.3
Natural gas	22	9.8	—	—	—	—	nil	nil	na	14.40	nil	nil
Gasohol (leaded)	—	—	—	—	—	—	—	—	—	—	—	—
Gasohol (unLeaded)	—	—	—	—	—	—	—	—	—	—	—	—
Aviation fuel	na	0.7	na	0.7	2.0	0.8	3	2.2	9	—	—	2.1
Railway locomotive fuel	nil	nil	nil	nil	nil	nil	10	3.6	9	—	—	3.4
Marine fuels commercial	12	nil	23	10.6	2.5	1.0	nil	nil	nil	nil	nil	nil
Farmers for farm use	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
Commercial fishermen	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
Industrial/commercial gasoline	nil	nil	20	8.9	nil	nil	nil	nil	nil	nil	nil	nil
Industrial/commercial fuel oil	nil	nil	23	10.6	nil	nil	nil	nil	nil	nil	nil	nil
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General retail sales tax, 1989	12		10		10		11		9		8	
General retail sales tax, 1990	12		10		10		11		9		8	
Gasoline regular unleaded, 1990		11.3		11.3		10.3		11.2		14.4		11.3

	Manitoba		Sask.		Alberta		B.C.		Yukon		N.W.T.	
	%	¢/L	%	¢/L	%	¢/L	%	¢/L	%	¢/L	%	¢/L
Statutory or prescribed rate for on-highway use												
Gasoline	na	9.0	na	10.0	na	5.0	23	8.28	na	4.2	15	8.4
Regular leaded		10.8		12.0				10.28				
Regular unleaded		9.0		10.0				8.28				
High octane leaded		10.8		12.0				10.28				
High octane unleaded		9.0		10.0				8.28				
Reduced rates for qualifying off-highway uses												
Diesel (fuel oil)	na	9.9	na	7.0	na	5.0		8.72	na	5.2	12.75	5.5
Propane or butane	na	5.7	na	7.0	na	nil	nil	nil	na	nil	na	nil
Natural gas	na	7.0	na	7.0	na	nil	nil	nil	—	—	—	—
Gasohol (leaded)	na	7.3	—	—	—	—	—	—	—	—	—	—
Gasohol (unLeaded)	na	5.5	—	—	—	—	—	—	—	—	—	—
Aviation fuel	na	5.8	na	7.0	na	5.0	7	2.57	na	0.7	2.25	1.0
Railway locomotive fuel	na	13.6	na	15.0	na	5.0	7	2.57	na	5.2	18.00	7.8
Marine fuels commercial	na	9.9	na	nil	na	nil	7	na	na	5.2	6	2.6
Farmers for farm use	nil	nil	na	nil	na	nil	7	2.57	na	nil	na	nil
Commercial fishermen	nil	nil	na	nil	na	nil	7	2.57	na	nil	9	3.9
Industrial/commercial gasoline	na	nil	na	7.0	na	nil	nil	nil	na	4.2	9	3.9
Industrial/commercial fuel oil	na	nil	na	7.0	na	nil	nil	nil	nil	5.2	6	2.6
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General retail sales tax, 1989	7		7		nil		6		nil		nil	
General retail sales tax, 1990	7		7		nil		6		nil		nil	
Gasoline regular unleaded, 1990		9		10		7.0		9.83		4.2		9.0

Source: Canadian Tax Foundation, *Provincial and Municipal Finances 1989* (Toronto: Canadian Tax Foundation, 1990).
Table 10.3 and Table 10.5.

Effective Provincial Government Gasoline and Fuel Tax Rates, Last Quarter 1991

Use	Nfld.		P.E.I.		N.S.		N.B.		Quebec		Ontario	
	%	¢/L	%	¢/L	%	¢/L	%	¢/L	%	¢/L	%	¢/L
Statutory or prescribed rate for on-highway use												
Gasoline	na	13.7	23	11.8	20	12.3	na	12.7	na	14.5	na	14.7
Regular unleaded	na	13.7	na	na	na	na	na	12.7	na	14.4	na	nil
Regular leaded	na	15.2	na	na	na	na	na	14.9	na	14.4	na	16.0
Diesel (fuel oil)	na	15.6	26	nil	21	14.3	na	13.7	na	14.0	na	12.6
Propane or butane	na	13.7	23	11.7	20	12.3	na	6.7	na	7.6	na	4.3
Off-highway use												
Aviation fuel	na	0.7	nil	0.7	2	0.9	na	2.5	na	nil	na	2.4
Railway locomotive fuel	na	nil	nil	nil	nil	nil	na	4.3	na	nil	na	3.95
Farmers for farm use	na	nil	nil	nil	nil	nil	na	nil	na	nil	na	nil
Commercial fishermen	na	nil	nil	nil	nil	nil	na	nil	na	nil	na	nil
Marine fuels commercial	na	nil	26	11.7	2.5	1.1	na	nil	na	nil	na	nil
General retail sales tax, 1989	12		10		10		11		9		8	
General retail sales tax, 1990	12		10		10		11		9		8	
General retail sales tax, 1991	12		10		10		11		8		8	
Gasoline regular unleaded, 1990		11.3		11.3		10.3		11.2		14.4		11.3
	Manitoba		Sask.		Alberta		B.C.		Yukon		N.W.T.	
	%	¢/L	%	¢/L	%	¢/L	%	¢/L	%	¢/L	%	¢/L
Statutory or prescribed rate for on-highway use												
Gasoline	na	10.5	na	10.0	na	9.0	22.5	9.76	na	4.2	17	11.15
Regular unleaded	na	10.5	na	10.0	na	na	na	8.82	na	na	na	na
Regular leaded	na	12.3	na	12.0	na	na	na	10.82	na	na	na	na
Diesel (fuel oil)	na	10.9	na	7.0	na	5.0	na	9.26	na	5.2	12.75	9.5
Propane or butane	na	5.7	na	7.0	na	5.0	na	nil	na	nil	nil	nil
Off-highway use												
Aviation fuel	na	5.8	na	7.0	na	nil	na	2.74	na	0.7	2.25	1.0
Railway locomotive fuel	na	13.6	na	15.0	na	nil	na	2.74	na	5.2	18.00	7.8
Farmers for farm use	na	nil	na	nil	na	nil	na	2.57	na	nil	nil	nil
Commercial fishermen	na	nil	na	nil	na	nil	na	2.57	na	nil	9	3.9
Marine fuels commercial	na	9.9	na	nil	na	nil	na	nil	na	5.2	6	2.6
General retail sales tax, 1989	7		7		nil		6		nil		nil	
General retail sales tax, 1990	7		7		nil		6		nil		nil	
General retail sales tax, 1991	7		7		nil		6		nil		nil	
Gasoline regular unleaded, 1990		9		10		7.0		9.83		4.2		9.0

Source: Canadian Tax Foundation, *Provincial and Municipal Finances 1991* (Toronto: Canadian Tax Foundation, 1992), Table 11.1 and Table 11.3.

Note: Rate for gasoline only is as of January 1992.

Gross Domestic Product at Factor Cost, at 1986 Prices, Transportation and Other Industries, 1961-1991

CANSIM:	135130	135418	135419	135420	135421	135422	135423	135020	135026	135033	135001	135005	135010	135011	135013
	Trans- port. indust.	Air trans- port. indust.	Rail trans- port. indust.	Water trans- port. indust.	Truck trans- port. indust.	Urban transit systems	Inter- urban trans- port.	Non- business trans. indust.	Total economy	Goods pro- ducing industries	Agri- cul- tural serv.	Manufac- turing	Whole- Sale trade	Retail trade	Community, business, personal services
1. Gross domestic product at factor cost at 1986 prices (\$ millions)															
1961	6,065	584	1,458	657	1,786	1,461	135	1,218	156,428	63,981	6,390	31,127	5,968	10,907	12,778
1962	6,004	539	1,391	688	1,882	1,484	137	1,229	167,573	70,488	7,855	34,705	6,547	11,524	13,430
1963	6,619	537	1,560	802	2,114	1,457	146	1,256	177,090	74,684	8,834	37,008	6,890	12,023	14,233
1964	7,270	601	1,808	800	2,242	1,484	148	1,286	189,443	79,995	8,080	40,691	7,601	12,811	15,194
1965	7,716	681	1,815	889	2,541	1,489	168	1,335	202,964	86,784	8,485	44,799	8,083	13,824	16,955
1966	8,265	836	1,893	1,029	2,625	1,624	201	1,365	216,770	92,193	9,558	47,686	8,913	14,759	18,033
1967	8,297	937	1,844	945	2,726	1,669	235	1,511	223,148	92,480	7,748	48,743	9,319	15,555	18,962
1968	8,570	984	1,956	917	2,815	1,623	210	1,622	235,312	98,370	8,313	51,979	9,580	16,111	18,834
1969	9,353	1,124	2,194	1,015	3,038	1,547	219	1,642	248,309	103,558	8,943	55,649	10,264	16,964	20,078
1970	10,116	1,228	2,594	1,053	2,891	1,523	228	1,721	252,299	101,044	7,912	53,287	10,883	17,522	20,469
1971	10,574	1,186	2,833	1,089	2,897	1,476	236	1,864	267,060	107,357	9,381	56,668	11,527	18,195	22,869
1972	11,040	1,413	2,980	1,026	2,942	1,515	267	1,913	282,176	112,858	7,985	61,244	12,285	19,641	24,691
1973	11,740	1,714	3,056	1,017	3,118	1,536	302	1,971	304,410	124,284	8,773	67,827	13,146	20,608	27,478
1974	12,357	1,910	3,300	993	3,111	1,485	257	2,117	315,621	125,696	7,699	69,868	13,639	21,112	29,803
1975	12,260	1,942	2,930	864	3,413	1,498	279	2,143	320,035	121,799	8,989	65,201	14,034	22,175	31,236
1976	12,248	1,863	2,895	932	3,376	1,567	265	2,129	339,251	131,623	9,780	69,979	14,877	23,497	33,647
1977	12,744	2,020	3,092	1,075	3,249	1,536	295	2,109	350,146	136,286	9,674	72,517	14,501	23,619	34,573
1978	13,481	2,130	3,171	1,070	3,614	1,543	278	2,139	361,078	138,109	9,260	75,822	14,806	24,066	36,950
1979	15,110	2,502	3,593	1,084	4,350	1,399	248	2,199	375,112	142,437	8,511	78,662	15,687	24,251	38,350
1980	14,635	2,259	3,427	1,165	4,197	1,656	254	2,111	381,992	140,762	9,017	75,132	16,814	23,997	42,198
1981	14,536	2,177	3,363	1,056	4,280	1,815	225	2,111	397,090	146,844	9,827	77,886	17,953	24,157	45,641
1982	13,615	2,144	2,693	1,101	4,201	1,706	223	2,033	382,575	137,230	10,444	67,856	16,463	23,312	45,000
1983	14,769	2,290	2,930	1,298	4,525	1,671	222	1,968	394,995	142,925	10,142	72,236	17,945	24,535	44,364
1984	16,661	2,631	3,665	1,288	5,254	1,513	211	1,962	418,717	152,946	9,814	81,552	19,358	25,982	46,960
1985	17,034	2,811	3,712	1,275	5,263	1,581	209	2,053	438,450	160,690	9,404	86,150	21,768	27,375	48,777
1986	17,493	2,821	3,917	1,298	5,385	1,588	199	1,933	451,840	163,167	11,057	86,790	23,312	28,269	52,119
1987	18,443	2,968	4,072	1,409	6,036	1,506	193	1,997	470,949	169,320	10,067	90,262	25,251	29,973	54,865
1988	19,474	3,300	4,255	1,494	6,436	1,508	196	2,006	491,014	175,276	8,023	94,692	29,343	31,305	58,055
1989	19,488	3,335	4,067	1,469	6,607	1,505	203	2,023	506,092	178,053	9,210	95,118	28,094	31,869	61,446
1990	18,981	3,243	3,930	1,467	6,326	1,510	190	2,030	509,653	175,821	10,933	91,120	27,266	31,189	64,059
1991	17,744	2,618	3,784	1,470	5,722	1,268	163	1,930	501,978	168,734	11,475	84,903	26,446	29,334	62,233

Average annual growth rates (%)

1961-71	5.7	7.3	6.9	5.2	5.0	0.1	5.7	4.3	5.5	5.3	3.9	6.2	6.8	5.3	6.0
1971-81	6.3	10.1	7.9	4.1	4.6	0.2	6.9	4.5	5.3	4.8	0.2	5.8	6.5	5.5	6.8
1981-91	5.9	12.3	7.0	2.4	4.0	0.5	7.5	4.6	5.6	5.2	-0.1	6.2	6.7	5.5	6.3
1961-91	5.4	12.3	6.2	2.2	3.3	0.0	5.7	5.1	5.2	4.6	-0.5	5.6	6.0	5.1	7.0

Gross Domestic Product at Factor Cost, at 1986 Prices, Transportation and Other Industries, 1961-1991

	Trans- port. indust.	Air trans- port. indust.	Rail trans- port. indust.	Water trans- port. indust.	Truck trans- port. indust.	Urban transit systems	Inter- urban trans- port.	Non- business sector trans. indust.	Total trans- port. indust.	Goods pro- ducing industries	Agri- cul- tural serv.	Manufac- turing	Whole- Sale trade	Retail trade	Community, business, personal services
2. Percentage distribution of total GDP															
1961	3.9	0.4	0.9	0.4	1.1	0.9	0.1	0.8	4.7	40.9	4.1	19.9	3.8	7.0	8.2
1962	3.6	0.3	0.8	0.4	1.1	0.9	0.1	0.7	4.3	42.1	4.7	20.7	3.9	6.9	8.0
1963	3.7	0.3	0.9	0.5	1.2	0.8	0.1	0.7	4.4	42.2	5.0	20.9	3.9	6.8	8.0
1964	3.8	0.3	1.0	0.4	1.2	0.8	0.1	0.7	4.5	42.2	4.3	21.5	4.0	6.8	8.2
1965	3.8	0.3	0.9	0.4	1.3	0.7	0.1	0.7	4.5	42.8	4.2	22.1	4.0	6.8	8.3
1966	3.8	0.4	0.9	0.5	1.2	0.7	0.1	0.6	4.4	42.5	4.4	22.0	4.1	6.8	8.5
1967	3.7	0.4	0.8	0.4	1.2	0.7	0.1	0.7	4.4	41.4	3.5	21.8	4.2	7.0	8.0
1968	3.6	0.4	0.8	0.4	1.2	0.7	0.1	0.7	4.3	41.8	3.5	22.1	4.1	6.8	8.1
1969	3.8	0.5	0.9	0.4	1.2	0.6	0.1	0.7	4.4	41.7	3.6	22.4	4.1	6.8	8.1
1970	4.0	0.5	1.0	0.4	1.1	0.6	0.1	0.7	4.7	40.0	3.1	21.1	4.3	6.9	8.6
1971	4.0	0.4	1.1	0.4	1.1	0.6	0.1	0.7	4.7	40.2	3.5	21.2	4.3	6.8	8.8
1972	3.9	0.5	1.1	0.4	1.0	0.5	0.1	0.7	4.6	40.0	2.8	21.7	4.4	7.0	8.8
1973	3.9	0.6	1.0	0.3	1.0	0.5	0.1	0.6	4.5	40.8	2.9	22.3	4.3	6.8	9.0
1974	3.9	0.6	1.0	0.3	1.0	0.5	0.1	0.7	4.6	39.8	2.4	22.1	4.3	6.7	9.4
1975	3.8	0.6	0.9	0.3	1.1	0.5	0.1	0.7	4.5	38.1	2.8	20.4	4.4	6.9	9.8
1976	3.6	0.5	0.9	0.3	1.0	0.5	0.1	0.6	4.2	38.8	2.9	20.6	4.4	6.9	9.9
1977	3.6	0.6	0.9	0.3	0.9	0.4	0.1	0.6	4.2	38.9	2.8	20.7	4.1	6.7	9.9
1978	3.7	0.6	0.9	0.3	1.0	0.4	0.1	0.6	4.3	38.2	2.6	21.0	4.1	6.7	10.2
1979	4.0	0.7	1.0	0.3	1.2	0.4	0.1	0.6	4.6	38.0	2.3	21.0	4.2	6.5	10.2
1980	3.8	0.6	0.9	0.3	1.1	0.4	0.1	0.6	4.4	36.8	2.4	19.7	4.4	6.3	11.0
1981	3.7	0.5	0.8	0.3	1.1	0.5	0.1	0.5	4.2	37.0	2.5	19.6	4.5	6.1	11.5
1982	3.6	0.6	0.7	0.3	1.1	0.4	0.1	0.5	4.1	35.9	2.7	17.7	4.3	6.1	11.8
1983	3.7	0.6	0.7	0.3	1.1	0.4	0.1	0.5	4.2	36.2	2.6	18.3	4.5	6.2	11.2
1984	4.0	0.6	0.9	0.3	1.3	0.4	0.1	0.5	4.4	36.5	2.3	19.5	4.6	6.2	11.2
1985	3.9	0.6	0.8	0.3	1.2	0.4	0.0	0.5	4.4	36.6	2.1	19.6	5.0	6.2	11.1
1986	3.9	0.6	0.9	0.3	1.2	0.4	0.0	0.4	4.3	36.1	2.4	19.2	5.2	6.3	11.5
1987	3.9	0.6	0.9	0.3	1.3	0.3	0.0	0.4	4.3	36.0	2.1	19.2	5.4	6.4	11.6
1988	4.0	0.7	0.9	0.3	1.3	0.3	0.0	0.4	4.4	35.7	1.6	19.3	5.6	6.4	11.8
1989	3.9	0.7	0.8	0.3	1.3	0.3	0.0	0.4	4.3	35.2	1.8	18.8	5.6	6.3	12.1
1990	3.7	0.6	0.8	0.3	1.2	0.3	0.0	0.4	4.1	34.5	2.1	17.9	5.3	6.1	12.6
1991	3.5	0.5	0.8	0.3	1.1	0.3	0.0	0.4	3.9	33.6	2.3	16.9	5.3	5.8	12.4

Gross Domestic Product at Factor Cost, at 1986 Prices, Transportation and Other Industries, 1961-1991

	Trans- indus- t.	Air trans- indus- t.	Rail trans- indus- t.	Water trans- indus- t.	Truck trans- indus- t.	Urban transit systems	Inter- urban trans- port.	Non- business sector trans. indus- t.	Total economy	Goods pro- duc- ing indus- tries	Agric- ul- tural serv.	Manufac- turing	Whole- sale trade	Retail trade	Community, business, personal services
3. Indexes of GDP at factor cost (1961=100.0)															
1961	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1962	99.0	92.2	95.4	104.7	105.4	101.6	101.0	100.9	107.1	110.2	122.9	111.5	109.7	105.7	105.1
1963	109.1	91.9	107.0	122.1	118.4	99.7	108.1	103.1	113.2	116.7	122.9	118.9	115.5	110.2	111.4
1964	119.9	102.8	124.0	121.7	125.6	101.5	109.6	105.6	121.1	125.0	126.5	130.7	127.4	117.5	118.9
1965	127.2	116.6	124.5	135.2	142.3	101.9	124.2	109.6	129.7	135.6	132.8	143.9	135.5	126.7	129.8
1966	136.3	143.2	129.9	156.5	147.0	111.2	148.4	112.0	138.6	144.1	149.6	153.2	149.4	135.3	141.1
1967	136.8	160.4	126.5	143.7	152.7	114.2	173.4	124.1	142.7	144.5	121.3	156.6	156.2	142.6	148.4
1968	141.3	168.5	134.2	139.5	157.6	111.1	155.3	133.2	150.4	153.7	130.1	167.0	160.6	147.7	147.4
1969	154.2	192.4	150.5	154.4	170.1	105.9	161.8	134.8	158.7	161.9	140.0	178.8	172.0	155.5	157.1
1970	166.8	210.2	177.9	160.2	161.9	104.2	168.6	141.3	161.3	157.9	123.8	171.2	182.4	160.6	159.7
1971	174.4	203.1	194.3	165.7	162.2	101.1	174.7	153.1	170.7	167.8	146.8	182.1	193.2	166.8	179.0
1972	182.0	241.9	204.4	156.1	164.8	103.7	197.5	157.0	180.4	176.4	125.0	196.8	205.9	180.1	193.2
1973	193.6	293.4	209.6	154.8	174.6	105.1	223.7	161.9	194.6	194.3	137.3	217.9	220.4	188.9	215.0
1974	203.7	327.0	226.3	151.1	174.2	101.6	190.1	173.8	201.8	196.4	120.5	224.5	228.6	193.6	233.2
1975	202.1	332.4	201.0	131.5	191.1	102.5	206.6	175.9	204.6	190.4	140.7	209.5	235.3	203.3	244.5
1976	201.9	318.9	198.6	141.8	189.1	107.2	196.2	174.8	216.9	205.7	153.1	224.8	249.4	215.4	263.3
1977	210.1	345.9	212.1	163.5	181.9	105.1	218.0	173.2	223.8	213.0	151.4	233.0	243.1	216.5	270.6
1978	222.3	364.7	217.5	162.8	202.3	105.6	205.5	175.6	230.8	215.9	144.9	243.6	248.2	220.6	289.2
1979	249.1	428.3	246.4	164.9	243.6	95.7	183.7	180.5	239.8	222.6	133.2	252.7	263.0	222.3	300.1
1980	241.3	386.7	235.0	177.3	235.0	113.4	187.6	173.3	244.2	220.0	141.1	241.4	281.8	220.0	330.2
1981	239.7	372.7	230.6	160.7	239.6	124.2	166.2	173.3	253.8	229.5	153.8	250.3	300.9	221.5	357.2
1982	224.5	367.1	184.7	167.5	235.3	116.7	164.6	166.9	244.6	214.5	163.4	218.0	276.0	213.7	352.2
1983	243.5	392.0	201.0	197.5	253.4	114.3	164.1	161.6	252.5	223.4	158.7	232.1	300.8	224.9	347.2
1984	274.7	450.5	251.4	195.9	294.2	103.5	155.9	161.1	267.7	239.1	153.6	262.0	324.5	238.2	367.5
1985	280.9	481.2	254.6	193.9	294.7	108.2	154.8	168.6	280.3	251.2	147.2	276.8	364.9	251.0	381.7
1986	288.4	500.2	268.6	197.6	301.5	108.7	147.2	158.7	288.8	255.0	173.0	278.0	390.8	259.2	407.9
1987	304.1	508.1	279.3	214.3	338.0	103.1	142.9	164.0	301.1	264.6	157.5	290.0	423.3	274.8	429.4
1988	321.1	565.0	291.9	227.4	360.4	103.2	146.4	167.3	313.9	274.0	125.6	304.2	456.3	287.0	454.3
1989	321.3	571.0	279.0	223.5	370.0	103.0	150.0	166.1	323.5	278.3	144.1	305.6	470.9	292.2	480.9
1990	313.0	555.3	269.6	223.2	354.2	103.3	140.4	166.7	325.8	274.8	171.1	292.7	457.1	286.0	501.3
1991	292.6	448.2	259.6	223.7	320.4	86.8	120.3	158.4	320.9	263.7	179.6	272.8	443.3	268.9	487.0

Gross Domestic Product at Factor Cost, at 1986 Prices, Transportation and Other Industries, 1961-1991

4. Indexes of the shares of GDP at factor cost (1961=100.0)													
Trans- port. indust.	Air trans- port. indust.	Rail trans- port. indust.	Water trans- port. indust.	Truck trans- port. indust.	Urban transit systems	Inter- urban trans- port.	Non- business sector trans. indust.	Total trans- port. indust.	Goods pro- ducing industries	Agri- cul- tural serv.	Manufac- turing	Whole- Sale trade	Community, business, personal services
1961	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1962	92.4	86.1	89.1	89.1	94.8	94.3	94.2	92.7	102.8	114.8	104.1	102.4	98.1
1963	96.4	81.2	89.1	89.1	94.8	94.3	94.2	95.5	103.1	122.1	105.0	102.0	98.4
1964	99.0	84.9	102.4	100.5	103.7	83.8	87.2	95.8	103.2	104.4	107.9	105.2	98.2
1965	98.1	89.9	95.9	104.2	109.7	78.6	84.5	95.8	104.5	102.3	110.9	104.4	100.0
1966	98.3	103.3	93.7	112.9	106.1	80.2	80.8	95.4	104.0	107.9	110.6	107.8	101.8
1967	95.9	112.5	88.7	100.8	107.0	80.1	87.0	94.4	101.3	85.0	109.8	109.5	104.0
1968	93.9	112.0	89.2	92.7	104.8	73.8	88.5	93.0	102.2	86.5	111.0	106.7	98.0
1969	97.1	121.2	94.8	97.3	107.2	66.7	84.9	95.1	102.0	88.2	112.6	108.4	98.0
1970	103.4	130.3	110.3	99.4	100.4	64.6	87.6	100.8	97.9	76.8	106.1	113.1	99.6
1971	102.1	118.9	113.8	97.0	95.0	102.3	89.7	100.0	98.3	86.0	106.6	113.2	104.8
1972	100.9	134.1	113.3	86.5	91.3	57.5	87.1	98.6	97.8	69.3	109.1	114.2	107.1
1973	99.5	150.8	107.7	79.5	89.7	54.0	83.2	96.7	99.8	70.6	112.0	113.2	110.5
1974	101.0	162.1	112.2	74.9	86.4	50.4	86.2	98.5	97.4	59.7	111.2	113.3	115.6
1975	98.8	162.5	98.2	64.3	93.4	50.1	86.0	96.7	93.0	68.8	102.4	115.0	119.5
1976	93.1	147.0	91.6	65.4	87.2	49.4	80.6	91.0	94.9	70.6	103.7	115.0	121.4
1977	93.9	154.5	94.8	73.1	81.3	47.0	77.4	91.1	93.5	67.6	104.1	108.8	120.9
1978	96.3	158.0	94.2	70.5	87.7	45.8	76.1	92.9	93.5	62.8	105.5	107.5	125.3
1979	103.9	178.6	102.8	68.8	101.6	39.9	75.3	99.1	92.8	55.5	105.4	109.7	125.2
1980	98.8	158.3	96.3	72.6	96.2	46.4	76.8	94.2	90.1	57.8	98.8	115.4	135.2
1981	94.4	146.8	90.9	63.3	94.4	48.9	68.3	90.0	90.4	60.6	98.6	118.5	140.7
1982	91.8	150.1	75.5	68.5	96.2	47.7	68.2	87.9	87.7	66.8	89.1	112.8	144.0
1983	96.4	152.2	79.6	78.2	100.3	45.3	64.0	91.0	88.5	62.9	91.9	119.1	137.5
1984	102.6	168.3	93.9	73.2	109.9	38.7	60.2	95.5	89.6	52.5	97.4	121.2	137.3
1985	100.2	171.7	90.8	69.2	105.1	38.6	55.2	93.5	89.3	57.4	96.7	130.2	136.2
1986	99.9	173.2	93.0	68.4	104.4	37.6	50.1	92.3	88.3	59.9	96.5	135.3	141.2
1987	101.0	168.8	92.8	71.2	112.3	34.2	47.5	93.2	87.9	52.3	96.3	140.6	142.8
1988	102.3	180.0	93.0	72.4	114.8	32.9	54.5	94.0	87.3	40.0	96.9	146.0	144.7
1989	99.3	176.5	86.2	69.1	114.4	31.8	51.3	91.3	86.0	44.6	94.5	145.6	148.8
1990	96.1	170.4	82.7	68.5	108.7	31.7	51.2	88.5	84.3	52.5	89.9	140.3	153.9
1991	91.2	139.7	80.9	69.7	99.8	27.0	49.4	84.2	82.2	56.0	85.0	138.1	151.8

Source: Statistics Canada, CANSIM, Matrix 4671.

Notes: Industries are grouped according to the 1980 Standard Industrial Classification.

Transportation components do not add to totals because taxicab, other transportation, and highway and bridge maintenance industries are excluded. Note also that components will not add to the transportation industry aggregate prior to 1986 owing to the practice of using year-to-year growth rates to reconstruct individual time-series before the base year. Since each series is recalculated separately based on its own historical growth rates, no concordance can be expected between aggregates and sub-components.

The share for "Total Transport Industries" (i.e. the tenth column in the second page of the table) includes the GDP for both business sector and non-business sector transport industries. All shares are relative to the GDP for the total economy.

Indexes of the shares of GDP were calculated by taking the share data in panel 2 and dividing each column by the share for 1961.

Consumption of Refined Petroleum Energy Products by Sector, 1958-1991

	Energy supply industry	Industrial	Commercial/ public admin.	Residential/ agriculture	Transportation	Total petroleum consumption
I. Petroleum energy consumption by sector (terajoules)						
1958	126,455	195,092	75,788	386,742	713,787	1,497,864
1959	134,796	216,765	98,536	431,173	746,065	1,627,335
1960	145,497	213,323	119,112	443,005	763,712	1,684,649
1961	136,288	213,545	130,098	446,531	784,201	1,710,663
1962	149,820	242,539	140,343	474,280	823,431	1,830,413
1963	157,471	228,376	181,052	503,400	867,851	1,938,150
1964	154,854	255,932	195,868	527,669	917,614	2,051,937
1965	162,042	308,442	225,927	524,744	975,847	2,197,002
1966	167,935	325,569	253,738	515,804	1,038,620	2,301,666
1967	175,202	356,546	286,129	540,265	1,096,174	2,454,316
1968	182,725	359,196	334,171	568,387	1,157,554	2,602,033
1969	186,088	393,587	348,485	586,738	1,199,976	2,714,874
1970	201,081	421,161	365,095	618,700	1,265,700	2,871,737
1971	212,856	422,172	361,945	614,391	1,313,511	2,924,875
1972	225,406	447,256	385,078	646,150	1,407,848	3,111,738
1973	247,402	541,445	291,868	610,021	1,535,863	3,226,599
1974	249,091	553,867	274,233	641,432	1,597,919	3,316,542
1975	249,417	539,687	219,614	612,364	1,622,778	3,243,860
1976	237,517	528,652	261,528	600,481	1,690,489	3,318,667
1977	259,770	560,565	228,827	541,260	1,736,359	3,326,781
1978	267,903	527,794	244,905	523,421	1,796,759	3,360,782
1979	278,318	545,625	215,110	513,129	1,922,164	3,474,346
1980	275,683	509,362	208,110	492,379	1,958,050	3,443,584
1981	254,633	452,456	194,579	401,800	1,908,060	3,211,528
1982	224,239	371,254	238,757	371,565	1,674,497	2,880,312
1983	200,766	321,588	215,162	326,637	1,616,024	2,680,177
1984	219,142	312,152	207,672	278,645	1,649,302	2,666,913
1985	217,039	272,545	172,270	280,017	1,654,392	2,596,263
1986	205,009	312,751	169,896	272,343	1,661,117	2,621,116
1987	209,592	303,699	160,706	248,772	1,719,044	2,641,813
1988	225,266	315,316	168,760	260,538	1,814,619	2,784,499
1989	234,607	326,624	176,947	283,438	1,851,365	2,872,981
1990	237,509	314,563	166,115	269,096	1,800,004	2,787,287
1991	229,445	283,970	145,885	246,033	1,731,779	2,637,112

II. Percentage distribution of total petroleum energy consumption

1958	8.4	13.0	5.1	25.8	47.7	100.0
1959	8.3	13.3	6.1	26.5	45.8	100.0
1960	8.6	12.7	7.1	26.3	45.3	100.0
1961	8.0	12.5	7.6	26.1	45.8	100.0
1962	8.2	13.3	7.7	25.9	45.0	100.0
1963	8.1	11.8	9.3	26.0	44.8	100.0
1964	7.5	12.5	9.5	25.7	44.7	100.0
1965	7.4	14.0	10.3	23.9	44.4	100.0
1966	7.3	14.1	11.0	22.4	45.1	100.0
1967	7.1	14.5	11.7	22.0	44.7	100.0
1968	7.0	13.8	12.8	21.8	44.5	100.0
1969	6.9	14.5	12.8	21.6	44.2	100.0
1970	7.0	14.7	12.7	21.5	44.1	100.0
1971	7.3	14.4	12.4	21.0	44.9	100.0
1972	7.2	14.4	12.4	20.8	45.2	100.0
1973	7.7	16.8	9.0	18.9	47.6	100.0
1974	7.5	16.7	8.3	19.3	48.2	100.0
1975	7.7	16.6	6.8	18.9	50.0	100.0
1976	7.2	15.9	7.9	18.1	50.9	100.0
1977	7.8	16.9	6.9	16.3	52.2	100.0
1978	8.0	15.7	7.3	15.6	53.5	100.0
1979	8.0	15.7	6.2	14.8	55.3	100.0
1980	8.0	14.8	6.0	14.3	56.9	100.0
1981	7.9	14.1	6.1	12.5	59.4	100.0
1982	7.8	12.9	8.3	12.9	58.1	100.0
1983	7.5	12.0	8.0	12.2	60.3	100.0
1984	8.2	11.7	7.8	10.4	61.8	100.0
1985	8.4	10.5	6.6	10.8	63.7	100.0
1986	7.8	11.9	6.5	10.4	63.4	100.0
1987	7.9	11.5	6.1	9.4	65.1	100.0
1988	8.1	11.3	6.1	9.4	65.2	100.0
1989	8.2	11.4	6.2	9.9	64.4	100.0
1990	8.5	11.3	6.0	9.7	64.6	100.0
1991	8.7	10.8	5.5	9.3	65.7	100.0

Sources: 1958-1986: Energy, Mines and Resources, *Transportation Energy Data Book*, Edition 4, TE88-6, Table 1.1, p. 20;
 1987-1991: Statistics Canada, *Quarterly Report on Energy Supply-Demand in Canada*, Catalogue no. 57-003, Table 1D.
 Data were taken from the fourth quarter issue of each year and used according to the procedures set out in p. 37 of the EMR book.

Consumption of Refined Petroleum Energy Products by Transportation Mode, 1958–1991

	Road	Rail	Air	Marine	Total transport	Total petroleum consumption
I. Petroleum energy consumption by transportation mode (terajoules)						
1958	523,413	82,372	42,424	85,578	713,787	1,497,864
1959	543,294	78,490	42,920	81,361	746,065	1,627,335
1960	570,731	68,106	47,214	77,859	763,710	1,684,849
1961	584,389	67,375	49,498	82,939	784,201	1,710,663
1962	616,336	67,204	51,745	88,146	823,431	1,830,413
1963	654,573	66,874	54,331	92,073	867,851	1,938,150
1964	689,285	84,938	53,797	89,594	917,614	2,051,937
1965	732,872	86,088	58,476	98,611	975,847	2,197,002
1966	779,422	85,506	66,930	106,762	1,038,620	2,301,666
1967	821,999	88,479	78,633	107,063	1,096,174	2,454,316
1968	878,967	85,235	85,971	107,382	1,157,555	2,602,033
1969	918,119	86,822	95,063	99,971	1,199,971	2,714,874
1970	970,779	87,532	102,698	104,891	1,265,700	2,871,737
1971	1,006,526	92,725	105,578	108,663	1,313,512	2,924,875
1972	1,079,024	97,334	111,108	120,383	1,407,849	3,111,738
1973	1,181,313	99,383	126,422	128,746	1,535,864	3,226,599
1974	1,235,670	105,867	138,333	118,049	1,597,919	3,316,542
1975	1,286,179	98,078	145,940	92,582	1,622,779	3,243,860
1976	1,361,693	86,913	144,955	96,929	1,690,490	3,318,667
1977	1,406,303	89,247	148,059	94,751	1,736,360	3,326,781
1978	1,448,533	89,157	152,027	107,042	1,796,759	3,360,782
1979	1,519,704	93,190	171,316	137,954	1,922,164	3,474,346
1980	1,540,809	94,209	172,370	150,662	1,958,050	3,443,584
1981	1,501,470	91,290	167,926	147,375	1,908,061	3,211,528
1982	1,326,950	83,992	151,917	111,639	1,674,498	2,880,312
1983	1,301,335	79,334	146,186	89,171	1,616,026	2,680,177
1984	1,322,349	86,703	154,812	85,437	1,649,301	2,666,913
1985	1,334,354	85,496	160,408	74,133	1,654,391	2,596,263
1986	1,348,414	75,392	162,492	74,819	1,661,117	2,621,116
1987	1,382,882	76,332	173,354	88,476	1,719,044	2,641,813
1988	1,442,527	85,291	187,664	99,137	1,814,619	2,784,499
1989	1,461,253	91,324	192,013	106,775	1,851,365	2,872,981
1990	1,418,013	89,463	185,227	107,301	1,800,004	2,787,287
1991	1,369,100	82,869	165,496	114,314	1,731,779	2,637,112

	Road		Rail		Air		Marine		Total transport		Total petro. cons.	
	Total trans-port	Total petro. cons.	Total trans-port	Total petro. cons.	Total trans-port	Total petro. cons.	Total trans-port	Total petro. cons.	Total trans-port	Total petro. cons.	Total trans-port	Total petro. cons.
II. Percentage distribution of total petroleum energy consumption												
1958	73.3	34.9	11.5	5.5	5.9	2.8	9.2	4.4	100.0	47.7	—	100.0
1959	72.8	33.4	10.5	4.8	5.8	2.6	10.9	5.0	100.0	45.8	—	100.0
1960	74.7	33.9	8.9	4.0	6.2	2.8	10.2	4.6	100.0	45.3	—	100.0
1961	74.5	34.2	8.6	3.9	6.3	2.9	10.6	4.8	100.0	45.8	—	100.0
1962	74.8	33.7	8.2	3.7	6.3	2.8	10.7	4.8	100.0	45.0	—	100.0
1963	75.4	33.8	7.7	3.5	6.3	2.8	10.6	4.8	100.0	44.8	—	100.0
1964	75.1	33.6	9.3	4.1	5.9	2.6	9.8	4.4	100.0	44.7	—	100.0
1965	75.1	33.3	8.8	3.9	6.0	2.7	10.1	4.5	100.0	44.4	—	100.0
1966	75.0	33.9	8.2	3.7	6.4	2.9	10.3	4.6	100.0	45.1	—	100.0
1967	75.0	33.5	8.1	3.6	7.2	3.2	9.8	4.4	100.0	44.7	—	100.0
1968	75.9	33.8	7.4	3.3	7.4	3.3	9.3	4.1	100.0	44.5	—	100.0
1969	76.5	33.8	7.2	3.2	7.9	3.5	8.3	3.7	100.0	44.2	—	100.0
1970	78.7	33.8	6.9	3.0	8.1	3.6	8.3	3.6	100.0	44.1	—	100.0
1971	78.6	34.4	7.1	3.2	8.0	3.6	8.3	3.7	100.0	44.9	—	100.0
1972	78.6	34.7	6.9	3.1	7.9	3.6	8.6	3.9	100.0	45.2	—	100.0
1973	78.9	36.6	6.5	3.1	8.2	3.9	8.4	4.0	100.0	47.6	—	100.0
1974	77.3	37.3	6.6	3.2	8.7	4.2	7.4	3.6	100.0	48.2	—	100.0
1975	79.3	39.6	6.0	3.0	9.0	4.5	5.7	2.9	100.0	50.0	—	100.0
1976	80.8	41.0	5.1	2.6	8.6	4.4	5.7	2.9	100.0	50.9	—	100.0
1977	81.0	42.3	5.1	2.7	8.4	4.4	5.5	2.8	100.0	52.2	—	100.0
1978	80.6	43.1	5.0	2.7	8.5	4.5	6.0	3.2	100.0	53.5	—	100.0
1979	79.1	43.7	4.8	2.7	8.9	4.9	7.2	4.0	100.0	55.3	—	100.0
1980	78.7	44.7	4.8	2.7	8.8	5.0	7.7	4.4	100.0	56.9	—	100.0
1981	78.7	46.8	4.8	2.8	8.8	5.2	7.7	4.6	100.0	59.4	—	100.0
1982	79.2	46.1	5.0	2.9	9.1	5.3	6.7	3.9	100.0	58.1	—	100.0
1983	80.5	48.6	4.9	3.0	9.0	5.5	5.5	3.3	100.0	60.3	—	100.0
1984	80.2	49.6	5.3	3.3	9.4	5.8	5.2	3.2	100.0	61.8	—	100.0
1985	80.7	51.4	5.2	3.3	9.7	6.2	4.5	2.9	100.0	63.7	—	100.0
1986	81.2	51.4	4.5	2.9	9.8	6.2	4.5	2.9	100.0	63.4	—	100.0
1987	80.4	52.3	4.4	2.9	10.1	6.6	5.0	3.3	100.0	65.1	—	100.0
1988	79.5	51.8	4.7	3.1	10.3	6.7	5.5	3.6	100.0	65.2	—	100.0
1989	78.9	50.9	4.9	3.2	10.4	6.7	5.8	3.7	100.0	64.4	—	100.0
1990	78.8	50.9	5.0	3.2	10.3	6.6	6.0	3.8	100.0	64.6	—	100.0
1991	79.1	51.9	4.8	3.1	9.6	6.3	6.6	4.3	100.0	65.7	—	100.0

Sources: 1958–1986: Energy, Mines and Resources, *Transportation Energy Data Book*, Edition 4, TE86–6, Table 1.3, p. 24; 1987–1991: Statistics Canada, *Quarterly Report on Energy Supply–Demand in Canada*, Catalogue no. 57–003, Table 1D. Data were taken from the fourth quarter issue of each year and used according to the procedures set out in p. 38 of the EMR data book.

Consumption of Refined Petroleum Energy Products by Fuel Type, 1958-1991

	Motor gasoline	Kerosene	Light fuel oil	Heavy fuel oil	Aviation gasoline	Aviation turbo fuel	Diesel	Other petroleum fuels	Total petroleum consumption
I. Petroleum energy consumption by fuel type (terajoules)									
1958	507,418	95,212	322,714	271,506	19,255	23,169	130,574	128,016	1,497,864
1959	528,049	96,391	367,850	309,650	18,808	24,112	146,077	136,598	1,627,335
1960	552,756	97,864	380,530	304,024	17,614	29,600	155,216	147,045	1,684,849
1961	566,150	94,844	390,401	314,705	13,251	36,246	157,852	137,214	1,710,683
1962	597,158	104,557	413,003	346,508	11,532	40,213	165,266	152,176	1,830,413
1963	634,012	106,322	436,271	371,206	10,723	43,607	177,066	158,941	1,938,150
1964	668,117	107,220	449,895	417,392	10,066	43,731	200,086	155,630	2,051,937
1965	707,909	112,774	478,842	460,771	9,422	49,054	213,939	164,491	2,197,002
1966	749,771	111,921	484,192	487,017	9,448	57,482	231,821	170,014	2,301,666
1967	788,347	115,624	519,306	530,888	9,945	68,688	245,079	178,439	2,454,316
1968	841,642	117,901	565,002	548,009	9,423	76,548	259,216	184,290	2,602,033
1969	873,867	115,178	575,605	595,695	8,666	86,398	273,005	186,460	2,714,874
1970	922,443	115,306	627,721	615,953	7,949	94,750	286,235	201,378	2,871,737
1971	954,871	114,093	633,875	597,612	7,550	98,028	305,611	213,235	2,924,875
1972	1,021,560	119,834	689,995	609,677	7,662	103,446	331,675	227,889	3,111,738
1973	1,106,062	105,141	680,086	599,628	7,968	118,454	376,188	253,070	3,226,599
1974	1,147,081	98,231	649,746	617,134	7,792	130,541	415,364	250,653	3,318,542
1975	1,191,442	91,719	613,426	534,375	7,778	138,157	411,229	255,734	3,243,860
1976	1,220,454	90,676	632,093	552,357	7,806	137,149	434,223	243,909	3,318,667
1977	1,240,573	80,111	562,283	566,284	7,942	138,117	470,892	260,779	3,326,781
1978	1,283,380	71,461	580,694	517,090	8,264	143,763	580,898	175,432	3,360,782
1979	1,326,004	66,774	549,214	521,024	8,147	163,170	552,525	287,485	3,474,346
1980	1,333,547	58,224	530,207	501,882	7,963	164,367	566,830	280,524	3,443,584
1981	1,290,387	45,933	439,368	440,973	7,508	160,419	559,653	267,287	3,211,528
1982	1,187,860	45,445	400,826	351,614	6,041	145,876	514,854	227,966	2,880,312
1983	1,150,585	33,704	326,824	285,677	5,857	140,329	530,030	207,171	2,680,177
1984	1,140,785	32,845	305,549	249,487	5,949	148,863	564,293	219,142	2,666,913
1985	1,134,472	32,415	284,053	188,745	5,915	154,493	579,129	217,041	2,596,263
1986	1,138,696	28,613	270,026	211,133	5,611	156,882	575,772	234,383	2,621,116
1987	1,151,554	27,087	241,304	202,773	5,940	167,414	604,689	241,072	2,641,813
1988	1,183,593	28,055	258,465	227,063	5,565	182,098	640,565	261,095	2,784,499
1989	1,206,209	28,737	264,378	248,094	5,444	186,569	658,717	274,833	2,872,981
1990	1,176,463	25,943	245,678	235,448	5,507	179,721	645,379	273,148	2,787,287
1991	1,137,666	24,585	220,567	217,959	4,178	161,317	609,366	261,454	2,637,112

Conversion factors: 1 megalitre (10⁶) = 1 terajoule (10¹²)/conversion factor

C.F.	34.66	37.68	38.68	41.73	33.52	35.93	38.68	-	-
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II. Percentage distribution of total petroleum energy consumption

1958	33.9	6.4	21.5	18.1	1.3	1.5	8.7	8.5	100.0
1959	32.4	5.9	22.6	19.0	1.2	1.5	9.0	8.4	100.0
1960	32.8	5.8	22.6	18.0	1.0	1.8	9.2	8.7	100.0
1961	33.1	5.5	22.8	18.4	0.8	2.1	9.2	8.0	100.0
1962	32.6	5.7	22.6	18.9	0.6	2.2	9.0	8.3	100.0
1963	32.7	5.5	22.5	19.2	0.6	2.2	9.1	8.2	100.0
1964	32.6	5.2	21.9	20.3	0.5	2.1	9.8	7.6	100.0
1965	32.2	5.1	21.8	21.0	0.4	2.2	9.7	7.5	100.0
1966	32.6	4.9	21.0	21.2	0.4	2.5	10.1	7.4	100.0
1967	32.1	4.7	21.2	21.6	0.4	2.8	10.0	7.2	100.0
1968	32.3	4.5	21.7	21.1	0.4	2.9	10.0	7.1	100.0
1969	32.2	4.2	21.2	21.9	0.3	3.2	10.1	6.9	100.0
1970	32.1	4.0	21.9	21.4	0.3	3.3	10.0	7.0	100.0
1971	32.6	3.9	21.7	20.4	0.3	3.4	10.4	7.3	100.0
1972	32.6	3.9	22.2	19.6	0.2	3.3	10.7	7.3	100.0
1973	34.3	3.3	20.5	18.6	0.2	3.7	11.7	7.8	100.0
1974	34.6	3.0	19.6	18.6	0.2	3.9	12.5	7.6	100.0
1975	36.7	2.8	18.9	16.5	0.2	4.3	12.7	7.9	100.0
1976	36.8	2.7	19.0	16.8	0.2	4.1	13.1	7.3	100.0
1977	37.3	2.4	16.9	17.0	0.2	4.2	14.1	7.8	100.0
1978	38.2	2.1	17.3	15.4	0.2	4.3	17.3	5.2	100.0
1979	38.2	1.9	15.8	15.0	0.2	4.7	15.9	8.3	100.0
1980	38.7	1.7	15.4	14.6	0.2	4.8	16.5	8.1	100.0
1981	40.2	1.4	13.7	13.7	0.2	5.0	17.4	8.3	100.0
1982	41.2	1.6	13.9	12.2	0.2	5.1	17.9	7.9	100.0
1983	42.9	1.3	12.2	10.7	0.2	5.2	19.8	7.7	100.0
1984	42.8	1.2	11.5	9.4	0.2	5.6	21.2	8.2	100.0
1985	43.7	1.2	10.9	7.3	0.2	6.0	22.3	8.4	100.0
1986	43.4	1.1	10.3	6.1	0.2	6.0	22.0	8.9	100.0
1987	43.6	1.0	9.1	7.7	0.2	6.3	22.9	9.1	100.0
1988	42.5	1.0	9.2	6.2	0.2	6.5	23.0	9.4	100.0
1989	42.0	1.0	9.2	6.6	0.2	6.5	22.9	9.6	100.0
1990	42.2	0.9	8.8	6.4	0.2	6.4	23.2	9.8	100.0
1991	43.1	0.9	8.4	6.3	0.2	6.1	23.1	9.9	100.0

Sources: 1958-1986: Energy, Mines and Resources, *Transportation Energy Data Book*, Edition 4, TE88-6, Table 1.2, p. 22; 1987-1991: Statistics Canada, *Quarterly Report on Energy Supply-Demand in Canada*, Catalogue no. 57-003, Table 1D. Data were taken from the fourth quarter issue of each year and used according to the procedures set out in p. 38 of the EMR data book.

Selected Major Environmental Pollutants, 1985 or 1987

	Carbon dioxide (1987)			Nitrogen oxides (1985)			Volatile organic compounds (VOCs) (1985)		
	Emissions (^{000s t})	Share trans- port (%)	Share grand total (%)	Emissions (^{000s t})	Share trans- port (%)	Share grand total (%)	Emissions (^{000s t})	Share trans- port (%)	Share grand total (%)
I. Fuel combustion – transportation sources:									
1. Gasoline:									
Autos	48,351.4	33.8%	10.3%	392.1	31.3%	20.0%	470.7	54.1%	26.2%
Light-duty trucks	20,444.9	14.3%	4.3%	123.3	9.8%	6.3%	191.8	22.0%	10.7%
Heavy-duty trucks	5,306.3	3.7%	1.1%	25.0	2.0%	1.3%	29.2	3.4%	1.6%
Motorcycles	215.5	0.2%	0.0%	1.0	0.1%	0.0%	4.4	0.5%	0.2%
2. Diesel:									
Light-duty trucks	2,161.0	1.5%	0.5%	4.4	0.3%	0.2%	1.4	0.2%	0.1%
Heavy-duty trucks	19,406.0	13.6%	4.1%	260.7	20.8%	13.3%	34.4	4.0%	1.9%
Other	14,092.2	9.9%	3.0%	230.3	18.4%	11.8%	23.4	2.7%	1.3%
Total road (1+2)	109,977.4	76.9%	23.4%	1,036.6	82.7%	52.9%	755.2	86.8%	42.0%
3. Other transport sources:									
Railroads	5,396.2	3.8%	1.1%	137.8	11.0%	7.0%	10.2	1.2%	0.6%
Marine	5,219.4	3.6%	1.1%	16.7	1.3%	0.9%	27.9	3.2%	1.6%
Aircraft	12,271.8	8.6%	2.6%	33.5	2.7%	1.7%	10.2	1.2%	0.6%
Off-road gas	3,964.5	2.8%	0.8%	28.2	2.2%	1.4%	66.0	7.6%	3.7%
Natural gas	4,791.6	3.4%	1.0%	—	—	—	—	—	—
Propane	1,385.4	1.0%	0.3%	—	—	—	—	—	—
Tire wear	n/a	—	—	n/a	—	—	0.7	—	—
Total other transport	33,028.8	23.1%	7.0%	216.3	17.3%	11.0%	115.0	13.1%	6.4%
Total transport	143,006.1	100.0%	30.4%	1,252.9	100.0%	63.9%	870.2	100.0%	48.4%
II. Fuel combustion – stationary sources:									
Power generation	94,440.2	—	20.1%	247.9	—	12.7%	2.6	—	0.1%
Industrial	70,496.8	—	15.0%	278.2	—	14.2%	49.6	—	2.8%
Residential	37,932.5	—	8.1%	37.5	—	1.9%	2.7	—	0.1%
Subtotal	260,571.1	—	55.3%	593.4	—	30.3%	164.1	—	9.1%
III. Industrial sources:									
Pulp and paper	31,027.6	—	6.6%	n/a	—	—	n/a	—	—
Cement production	6,284.8	—	1.3%	n/a	—	—	n/a	—	—
Subtotal	41,358.0	—	8.8%	88.9	—	4.5%	258.3	—	14.4%
IV. Waste incineration:	10,279.4	—	2.2%	7.5	—	0.4%	19.4	—	1.1%
V. Miscellaneous:	15,712.3	—	3.3%	16.8	—	0.9%	486.0	—	27.0%
Grand total	470,926.8	—	100.0%	1,959.5	—	100.0%	1,798.0	—	100.0%

Sources:

Carbon dioxide: A.P. Jaques, Environment Canada, "National Inventory of Sources and Emissions of Carbon Dioxide (1987)," May 1990, Table S.2, pp. xiv–xv.

Nitrogen oxides: Federal/Provincial Advisory Committee on Air Quality, "Development of a National Oxides of Nitrogen (NO_x) and Volatile Organic Compounds (VOC) Management Plan," July 1989, pp. 27–31.

Volatile organic compounds: Federal/Provincial Advisory Committee on Air Quality, "Development of a National Oxides of Nitrogen (NO_x) and Volatile Organic Compounds (VOC) Management Plan," July 1989, pp. 88–92.

Note: Items in a sub-section may not add to relevant subtotal owing to the inclusion of other sources of pollution in the subtotal.

Principal Contaminants Responsible for Atmospheric Pollution

	Photochemical smog	Acid rain	Greenhouse effect	Ozone depletion
Carbon monoxide (CO)	x,t			
Carbon dioxide (CO ₂)			X,T	
Chlorofluorocarbons (CFCs)			x,t	X,t
Methane (CH ₄)			x	x
Nitrogen oxides (NO _x)	T	X,T	T	
Nitrous oxide (N ₂ O)			x	x
Ozone (O ₃)	X',T''		x',T''	
Sulphur oxides (SO _x)		X		
Volatile organic compounds (VOCs)	T		T	

* Ozone is formed in the atmosphere from nitrogen oxides, volatile organic compounds, water vapour, and sunshine. Nitrogen oxides concentrations are believed to be the determinant of the rate of ozone formation.

** Ozone is not emitted, but the transportation sector is the major source of the principal ozone precursors: nitrogen oxides and volatile organic compounds.

Legend:

X: contaminant is a major (>25%) manmade source of the pollution problem.

x: contaminant is a minor (<25%) manmade source of the pollution problem.

T: transportation sector is a major (>25%) source of manmade emissions of the contaminant.

t: transportation sector is a minor (<25%) source of manmade emissions of the contaminant.

Source: E. Haites et. al., "Contribution of the Transportation Sector to Atmospheric Pollution Problems," paper prepared for the Royal Commission on National Passenger Transportation, June 1990, p. 3.

The Relative Contribution of the Manmade Sources of Gases Directly Associated With Global Warming

Gas	Percentage contribution
Carbon dioxide (CO ₂)	49%
Methane (CH ₄)	18%
Chlorofluorocarbons (CFCs)	14%
Nitrous oxide (N ₂ O)	6%
Others	13%
Total manmade sources	100%

Source: E. Haites et. al., "Contribution of the Transportation Sector to Atmospheric Pollution Problems," paper prepared for the Royal Commission on National Passenger Transportation, June 1990, p. 6.

U.S. Domestic Intercity Travel by Mode, 1939-1989

	Private carrier		Public carrier			Total public carrier	Total intercity travel
	Auto	Air	Air	Bus	Rail		
I. Domestic intercity travel (billions of passenger-kilometres)							
1939	443.2	0.2	1.3	15.3	38.1	54.7	498.1
1940	471.1	0.2	1.9	16.4	39.9	58.3	529.5
1941	521.4	0.2	2.7	21.7	49.2	73.7	595.3
1942	392.8	0.2	2.7	34.3	88.7	125.7	518.7
1943	283.2	—	3.2	41.7	144.7	189.6	472.8
1944	291.9	—	4.7	43.9	157.2	205.8	497.8
1945	354.5	—	6.9	44.1	150.5	201.5	556.0
1946	521.4	0.5	11.6	43.3	106.7	161.6	683.5
1947	559.7	1.0	11.4	39.9	75.3	126.7	687.4
1948	587.4	1.1	10.9	39.6	67.4	118.0	706.5
1949	658.9	1.3	12.6	38.6	57.9	109.1	769.3
1950	705.4	1.3	15.0	36.5	52.3	103.8	810.5
1951	801.6	1.4	19.3	38.0	56.8	114.1	917.2
1952	867.8	1.6	21.4	39.8	55.8	117.0	986.4
1953	926.7	1.9	26.1	39.3	52.0	117.3	1,045.9
1954	960.9	2.3	29.3	35.4	47.5	112.2	1,075.4
1955	1,025.8	2.4	34.3	35.2	46.2	115.7	1,143.9
1956	1,077.8	2.6	38.5	34.9	46.0	119.4	1,199.8
1957	1,079.1	2.9	42.3	34.6	42.3	119.3	1,201.2
1958	1,102.2	3.4	42.5	33.5	38.0	113.9	1,219.6
1959	1,106.3	3.4	49.1	32.8	36.0	118.0	1,227.6
1960	1,136.4	3.7	51.0	31.1	34.8	116.8	1,256.9
1961	1,148.4	3.7	52.0	32.7	33.0	117.6	1,269.8
1962	1,184.3	4.3	56.0	35.1	32.5	123.6	1,312.3
1963	1,232.6	5.5	63.4	36.2	29.9	129.6	1,367.6
1964	1,290.4	6.0	73.2	37.5	29.6	140.3	1,436.7
1965	1,316.0	7.1	86.4	38.3	28.3	153.0	1,476.1
1966	1,378.2	9.2	102.5	39.6	27.8	169.9	1,557.4
1967	1,432.0	11.3	129.1	40.1	24.6	193.8	1,637.0
1968	1,507.0	13.2	149.7	39.4	21.4	210.5	1,730.7
1969	1,572.3	14.2	178.8	40.1	19.8	238.7	1,825.2
1970	1,651.2	14.6	176.2	40.7	17.5	234.5	1,900.3
1971	1,723.6	14.8	178.2	41.0	14.3	233.5	1,971.9
1972	1,816.9	16.1	197.9	41.2	14.0	253.1	2,086.2
1973	1,871.3	17.2	213.1	42.5	15.0	270.5	2,159.1
1974	1,805.5	18.0	217.9	44.6	16.9	279.4	2,102.9
1975	1,884.1	18.3	220.3	40.9	16.3	277.5	2,179.9
1976	2,027.1	19.5	245.1	40.4	16.9	302.4	2,349.0
1977	2,117.9	20.6	264.3	41.8	16.7	322.8	2,461.3
1978	2,192.4	22.7	304.3	41.2	16.9	362.4	2,577.5
1979	2,128.2	24.9	342.3	44.6	18.7	405.6	2,558.7
1980	2,092.8	23.7	328.9	44.1	17.7	390.8	2,507.2
1981	2,123.2	23.5	324.1	43.6	17.1	384.8	2,531.6
1982	2,164.4	21.1	343.8	43.3	16.4	403.5	2,589.0
1983	2,195.3	20.4	373.7	41.2	16.6	431.5	2,647.3
1984	2,233.9	20.9	403.5	39.6	17.3	460.4	2,715.2
1985	2,282.5	20.9	447.1	38.3	18.2	503.6	2,807.0
1986	2,336.9	20.0	495.5	38.1	18.9	552.5	2,909.4
1987	2,434.3	19.5	529.8	37.0	19.6	586.4	3,040.2
1988	2,533.8	19.5	538.0	37.2	20.3	595.5	3,148.7
1989	2,622.4	19.6	539.5	36.3	20.8	598.6	3,240.6

Average annual growth rates (%)

1939-1950	4.3	20.8	25.0	8.2	2.9	6.0	4.5
1950-1975	4.0	11.2	11.4	0.5	-4.6	4.0	4.0
1975-1989	2.4	0.5	6.6	-0.5	1.8	5.6	2.9
1939-1989	3.6	10.1	12.8	1.9	-1.2	4.9	3.8
1939-1949	4.0	23.1	25.6	9.7	4.3	7.1	4.4
1949-1959	5.3	10.1	14.6	-1.6	-4.6	0.8	4.8
1959-1969	3.6	15.4	13.8	2.0	-5.8	7.3	4.0
1969-1979	3.1	5.8	6.7	1.1	-0.6	5.4	3.4
1979-1989	2.1	-2.4	4.7	-1.5	1.1	4.0	2.4

U.S. Domestic Intercity Travel by Mode, 1939-1989

	Private carrier		Public carrier			Total public carrier	Total intercity travel
	Auto	Air	Air	Bus	Rail		
II. Percentage distribution of total domestic travel							
1939	89.0	0.0	0.3	3.1	7.7	11.0	100.0
1940	89.0	0.0	0.4	3.1	7.5	11.0	100.0
1941	87.6	0.0	0.5	3.6	8.3	12.4	100.0
1942	75.7	0.0	0.5	6.6	17.1	24.2	100.0
1943	59.9	0.0	0.7	8.8	30.6	40.1	100.0
1944	58.6	0.0	0.9	8.8	31.6	41.4	100.0
1945	63.8	0.0	1.2	7.9	27.1	36.2	100.0
1946	76.3	0.1	1.7	6.3	15.6	23.6	100.0
1947	81.4	0.1	1.7	5.8	11.0	18.4	100.0
1948	83.1	0.2	1.5	5.6	9.5	16.7	100.0
1949	85.6	0.2	1.6	5.0	7.5	14.2	100.0
1950	87.0	0.2	1.8	4.5	6.5	12.8	100.0
1951	87.4	0.2	2.1	4.1	6.2	12.4	100.0
1952	88.0	0.2	2.2	4.0	5.7	11.9	100.0
1953	88.6	0.2	2.5	3.8	5.0	11.2	100.0
1954	89.4	0.2	2.7	3.3	4.4	10.4	100.0
1955	89.7	0.2	3.0	3.1	4.0	10.1	100.0
1956	89.8	0.2	3.2	2.9	3.8	10.0	100.0
1957	89.8	0.2	3.5	2.9	3.5	9.9	100.0
1958	90.4	0.3	3.5	2.7	3.1	9.3	100.0
1959	90.1	0.3	4.0	2.7	2.9	9.6	100.0
1960	90.4	0.3	4.1	2.5	2.8	9.3	100.0
1961	90.4	0.3	4.1	2.6	2.6	9.3	100.0
1962	90.3	0.3	4.3	2.7	2.5	9.4	100.0
1963	90.1	0.4	4.6	2.6	2.2	9.5	100.0
1964	89.8	0.4	5.1	2.6	2.1	9.8	100.0
1965	89.2	0.5	5.9	2.6	1.9	10.4	100.0
1966	88.5	0.6	6.6	2.5	1.8	10.9	100.0
1967	87.5	0.7	7.9	2.4	1.5	11.8	100.0
1968	87.1	0.8	8.6	2.3	1.2	12.2	100.0
1969	86.1	0.8	9.8	2.2	1.1	13.1	100.0
1970	86.9	0.8	9.3	2.1	0.9	12.3	100.0
1971	87.4	0.8	9.0	2.1	0.7	11.8	100.0
1972	87.1	0.8	9.5	2.0	0.7	12.1	100.0
1973	86.7	0.8	9.9	2.0	0.7	12.5	100.0
1974	85.9	0.9	10.4	2.1	0.8	13.3	100.0
1975	86.4	0.8	10.1	1.9	0.7	12.7	100.0
1976	86.3	0.8	10.4	1.7	0.7	12.9	100.0
1977	86.0	0.8	10.7	1.7	0.7	13.1	100.0
1978	85.1	0.9	11.8	1.6	0.7	14.1	100.0
1979	83.2	1.0	13.4	1.7	0.7	15.9	100.0
1980	83.5	0.9	13.1	1.8	0.7	15.6	100.0
1981	83.9	0.9	12.8	1.7	0.7	15.2	100.0
1982	83.6	0.8	13.3	1.7	0.6	15.6	100.0
1983	82.9	0.8	14.1	1.6	0.6	16.3	100.0
1984	82.3	0.8	14.9	1.5	0.6	17.0	100.0
1985	81.3	0.7	15.9	1.4	0.6	17.9	100.0
1986	80.3	0.7	17.0	1.3	0.6	19.0	100.0
1987	80.1	0.6	17.4	1.2	0.6	19.3	100.0
1988	80.5	0.6	17.1	1.2	0.6	18.9	100.0
1989	80.9	0.6	16.6	1.2	0.6	18.5	100.0

U.S. Domestic Intercity Travel by Mode, 1939-1989

	Private carrier		Public carrier			Total public carrier	Total intercity travel
	Auto	Air	Air	Bus	Rail		
III. Domestic intercity travel per capita (passenger-kilometres per person)							
1939	3,386	1	10	117	291	418	3,806
1940	3,565	1	15	124	302	441	4,007
1941	3,909	1	21	163	369	553	4,462
1942	2,913	1	20	254	658	932	3,846
1943	2,071	0	24	305	1,058	1,386	3,458
1944	2,109	0	34	317	1,136	1,487	3,597
1945	2,534	0	49	315	1,075	1,440	3,974
1946	3,688	3	82	306	755	1,143	4,834
1947	3,884	7	79	277	523	879	4,769
1948	4,006	8	75	270	460	805	4,818
1949	4,416	9	84	259	388	731	5,156
1950	4,632	8	96	240	343	682	5,323
1951	5,176	9	125	245	367	737	5,922
1952	5,508	10	136	252	354	743	6,261
1953	5,785	12	163	245	325	732	6,529
1954	5,894	14	180	217	291	688	6,596
1955	6,182	15	207	212	278	697	6,894
1956	6,381	15	228	207	273	707	7,103
1957	6,274	17	246	201	246	693	6,984
1958	6,303	19	243	191	217	652	6,974
1959	6,221	19	276	185	203	663	6,903
1960	6,290	20	282	172	192	647	6,957
1961	6,252	20	283	178	180	640	6,913
1962	6,349	23	300	188	174	663	7,035
1963	6,513	29	335	191	158	685	7,227
1964	6,725	31	382	195	154	731	7,487
1965	6,773	36	445	197	146	788	7,597
1966	7,012	47	522	201	142	865	7,923
1967	7,206	57	650	202	124	975	8,238
1968	7,508	66	746	196	107	1,049	8,623
1969	7,758	70	882	198	98	1,178	9,005
1970	8,053	71	859	199	86	1,144	9,267
1971	8,300	71	858	198	69	1,125	9,496
1972	8,656	77	943	196	67	1,206	9,939
1973	8,831	81	1,006	200	71	1,277	10,189
1974	8,443	84	1,019	208	79	1,306	9,833
1975	8,724	85	1,020	189	75	1,285	10,093
1976	9,297	89	1,124	185	78	1,387	10,773
1977	9,616	94	1,200	190	76	1,466	11,176
1978	9,850	102	1,367	185	76	1,628	11,580
1979	9,456	111	1,521	198	83	1,802	11,369
1980	9,190	104	1,445	194	78	1,716	11,010
1981	9,233	102	1,409	190	74	1,674	11,009
1982	9,322	91	1,480	186	71	1,738	11,150
1983	9,369	87	1,595	176	71	1,842	11,298
1984	9,451	89	1,707	167	73	1,948	11,487
1985	9,571	88	1,875	161	76	2,112	11,770
1986	9,710	83	2,059	158	78	2,296	12,088
1987	10,024	80	2,182	152	81	2,415	12,519
1988	10,339	79	2,195	152	83	2,430	12,849
1989	10,602	79	2,181	155	84	2,420	13,102

Sources: Travel: 1939-1964: Frank A. Smith, *Transportation in America, Historical Compendium 1939-1985* (Westport, Ct: Eno Foundation, 1989), p. 12; 1965-1989: Frank A. Smith, *Transportation in America* (Westport, CT: Eno Foundation, May 1990), p. 9. Population: 1939: *Historical Statistics of the United States, Colonial Times to 1970*, Series A 6-8; 1940-1989: *Economic Report of the President* (Washington: U.S. Government Printing Office, February 1992), p. 331.

Notes: 1) Automobile travel includes small trucks used for travel purposes; 2) Private air refers to general aviation operations, including air taxi and small air commuter; 3) Rail includes short-haul commuter operations but not urban rail transit; 4) Data for 1989 are preliminary; 5) Miles converted into kilometres by the factor 1.609344.

Estimates of Intercity and Urban Automobile Travel in the United States, 1930-1990

	Auto- vehicle- kilometres (millions)	Auto- mobiles registered ('000s)	Km driven per auto.	Fuel consumed (millions of litres)	Fuel consumed per auto. (litres)	Fuel effic. (litres/ 100 km)	Intercity pass.- km (billions)	Urban pass.- km (billions)	Total pass.- km (billions)	Popul. ('000s)	Popul./ reg. Auto. (no.)	Auto. pass.- km/ capita (no.)
1930	278,963	23,034.8	12,111	43,014	1,867	15.4	257	352	609	123,077	5.3	4,950
1931	291,184	22,398.3	13,001	44,898	2,005	15.4	267	366	633	124,040	5.5	5,104
1932	269,145	20,901.4	12,877	41,500	1,986	15.4	248	340	588	124,840	6.0	4,709
1933	268,332	20,857.3	12,990	41,375	2,003	15.4	248	340	589	125,579	8.1	4,688
1934	287,229	21,544.7	13,332	44,288	2,058	15.4	267	366	633	126,374	5.9	5,009
1935	303,443	22,567.8	13,446	46,788	2,073	15.4	262	387	649	127,250	5.8	5,255
1936	334,789	24,182.7	13,844	51,822	2,135	15.4	310	425	734	128,053	5.3	5,736
1937	358,557	25,467.2	14,079	55,286	2,171	15.4	330	453	783	128,825	5.1	6,078
1938	359,690	25,250.5	14,245	55,480	2,196	15.4	335	451	787	129,825	5.1	6,060
1939	378,070	26,226.4	14,418	58,295	2,223	15.4	353	471	824	130,880	5.0	6,294
1940	400,487	27,465.8	14,581	61,740	2,248	15.4	372	497	868	132,122	4.8	6,573
1941	442,587	29,624.3	14,940	68,202	2,302	15.4	413	548	960	133,402	4.5	7,199
1942	351,875	27,972.8	12,579	54,570	1,951	15.5	308	447	755	134,860	4.8	5,597
1943	261,806	26,009.1	10,068	40,928	1,574	15.6	222	340	562	136,739	5.3	4,109
1944	268,186	25,566.5	10,490	42,014	1,643	15.7	229	347	576	138,397	5.4	4,162
1945	321,542	25,797.0	12,464	50,391	1,953	15.7	279	416	695	139,928	5.4	4,964
1946	450,222	28,217.0	15,956	70,954	2,515	15.8	419	561	981	141,389	5.0	6,936
1947	482,061	30,849.4	15,626	75,973	2,463	15.8	456	592	1,048	144,126	4.7	7,289
1948	512,908	33,355.3	15,377	80,826	2,423	15.8	481	624	1,105	146,831	4.4	7,533
1949	549,512	36,457.9	15,072	86,516	2,373	15.7	520	680	1,180	149,188	4.1	7,909
1950	583,423	40,339.1	14,463	91,932	2,279	15.8	551	692	1,242	152,271	3.8	8,158
1951	629,181	42,688.3	14,739	98,943	2,318	15.7	603	723	1,328	154,678	3.6	8,559
1952	658,151	43,823.1	15,018	105,791	2,414	16.1	638	740	1,377	157,553	3.6	8,741
1953	698,528	46,429.3	15,045	112,007	2,412	16.0	665	781	1,446	160,184	3.5	9,029
1954	723,003	48,468.4	14,917	116,931	2,413	16.2	687	803	1,490	163,028	3.4	9,142
1955	782,285	52,144.7	15,002	126,891	2,433	16.2	729	873	1,602	165,931	3.2	9,653
1956	813,712	54,210.9	15,010	133,817	2,485	16.4	760	893	1,652	168,903	3.1	9,782
1957	849,322	55,917.9	15,189	139,078	2,487	16.4	793	917	1,710	171,984	3.1	9,941
1958	874,257	56,890.8	15,367	144,092	2,533	16.5	808	942	1,750	174,882	3.1	10,006
1959	919,349	59,454.0	15,483	151,507	2,548	16.5	846	985	1,831	177,830	3.0	10,297
1960	943,589	61,871.4	15,300	155,717	2,525	16.5	866	1,004	1,871	180,671	2.9	10,354
1961	970,021	63,420.8	15,295	158,983	2,507	16.4	890	1,025	1,914	183,891	2.9	10,422
1962	1,008,397	66,085.3	15,274	165,559	2,505	16.4	854	1,110	1,963	186,538	2.8	10,525
1963	1,035,506	69,038.4	14,999	171,138	2,479	16.5	870	1,125	1,994	189,242	2.7	10,538
1964	1,087,241	71,994.8	15,102	179,917	2,499	16.5	911	1,173	2,084	191,889	2.7	10,859
1965	1,138,083	75,257.6	15,123	188,071	2,499	16.5	949	1,221	2,170	194,303	2.6	11,168
1966	1,247,636	78,124.7	15,970	207,981	2,662	16.7	945	1,386	2,331	196,560	2.5	11,858
1967	1,301,818	80,369.0	16,189	217,663	2,707	16.7	976	1,441	2,418	198,712	2.5	12,166
1968	1,364,899	83,604.5	16,326	231,411	2,768	17.0	1,025	1,486	2,512	200,706	2.4	12,514
1969	1,419,979	86,857.8	16,348	245,306	2,824	17.3	1,074	1,517	2,590	202,677	2.3	12,780
1970	1,475,286	89,243.8	16,531	256,725	2,977	17.4	1,113	1,551	2,665	205,052	2.3	12,995
1971	1,555,173	92,118.4	16,773	270,093	2,913	17.4	1,187	1,612	2,799	207,661	2.2	13,480
1972	1,643,728	97,082.1	16,931	288,531	2,972	17.6	1,215	1,690	2,905	209,896	2.2	13,838
1973	1,693,343	101,985.4	16,506	297,791	2,920	17.7	1,231	1,711	2,941	211,909	2.1	13,881
1974	1,821,013	104,856.3	15,459	284,218	2,711	17.5	1,166	1,619	2,785	213,854	2.0	13,022
1975	1,863,981	106,705.9	15,594	289,385	2,712	17.4	1,172	1,607	2,779	215,973	2.0	12,868
1976	1,735,219	110,188.6	15,748	301,672	2,738	17.4	1,231	1,654	2,885	218,035	2.0	13,233
1977	1,785,154	112,287.5	15,898	304,337	2,710	17.0	1,255	1,679	2,934	220,239	2.0	13,322
1978	1,845,126	116,573.4	15,828	309,120	2,652	16.8	1,281	1,696	2,980	222,585	1.9	13,388
1979	1,792,230	118,428.7	15,133	292,626	2,471	16.3	1,233	1,627	2,860	225,055	1.9	12,708
1980	1,788,940	121,800.8	14,712	272,106	2,238	15.2	1,217	1,618	2,835	227,722	1.9	12,451
1981	1,819,890	123,098.4	14,784	268,588	2,182	14.8	1,230	1,620	2,851	229,956	1.9	12,396
1982	1,876,907	123,701.7	15,173	285,213	2,144	14.1	1,265	1,674	2,939	232,192	1.9	12,656
1983	1,928,031	128,443.8	15,248	284,825	2,093	13.7	1,284	1,697	2,981	234,321	1.9	12,721
1984	1,971,316	128,157.7	15,382	280,122	2,030	13.2	1,299	1,728	3,027	236,370	1.8	12,805
1985	2,028,683	131,864.0	15,385	262,208	1,988	12.9	1,354	1,801	3,155	238,492	1.8	13,229
1986	2,094,101	135,431.1	15,462	269,582	1,991	12.9	1,392	1,828	3,219	240,680	1.8	13,373
1987	2,181,192	137,208.1	15,897	267,148	1,947	12.2	1,457	1,878	3,335	242,836	1.8	13,735
1988	2,300,684	141,251.7	16,288	272,356	1,928	11.8	1,517	1,955	3,473	245,057	1.7	14,170
1989	2,378,239	143,025.7	16,828	275,384	1,925	11.8	1,565	1,982	3,547	247,343	1.7	14,341
1990	2,438,752	143,549.6	16,989	274,196	1,910	11.2	1,602	2,013	3,615	249,975	1.7	14,463

Average annual growth rates (%)

	3.7	3.1	0.8	3.1	0.0	-0.5	3.1	2.9	3.0	1.2	-1.9	1.8
1930-1990	3.7	3.1	0.8	3.1	0.0	-0.5	3.1	2.9	3.0	1.2	-1.9	1.8
1930-1940	3.7	1.8	1.9	3.7	1.9	-0.0	3.8	3.5	3.6	0.7	-1.0	2.9
1940-1950	3.8	3.9	-0.1	4.1	0.1	0.2	4.0	3.4	3.6	1.4	-2.4	2.2
1950-1960	4.9	4.3	0.6	5.4	1.0	0.5	4.6	3.8	4.2	1.7	-2.5	2.4
1960-1970	4.6	3.8	0.8	5.1	1.3	0.5	2.5	4.4	3.6	1.3	-2.4	2.3
1970-1980	1.9	3.1	-1.2	0.6	-2.5	-1.3	0.9	0.4	0.6	1.1	-2.0	-0.4
1980-1990	3.1	1.7	1.4	0.1	-1.6	-3.0	2.8	2.2	2.5	0.9	-0.7	1.5

Sources: Travel: 1936-1985: Federal Highway Administration (FHWA), *Highway Statistics, Summary to 1985*, Tables, MF-221, MV-200, VM-201, and VM-201A; 1986-1990: FHWA, *Highway Statistics*, various issues, Table VM-1; Population: 1930-1999: U.S. Bureau of the Census, *Historical Statistics of the United States, Colonial Times to 1970*, series A-8-B; 1940-1990: *Economic Report of the President* (U.S. Government Printing Office, February 1992), p. 331.

Notes: 1) Vehicle travel was estimated for 1930-1935 using both automobile fuel consumption (less motorcycle fuel consumption) and the 1936 fuel efficiency rate; 2) An occupancy rate of 1.8 persons per car was assumed for intercity travel (1.3 for urban travel) in 1990; the trend in occupancy is based on Canadian information; 3) The split of vehicle-kilometres between intercity and urban trips was derived in the following way: urban is any travel on 'urban streets' and 'local rural roads' from 1936-1965; from 1966 onwards, it is any travel on 'other urban' and 'other rural' roads; intercity travel forms the residual. These shares have remained quite stable, averaging 65% urban and 35% intercity.

Estimates of Intercity and Urban Light Truck Travel in the United States, 1930-1990

	Light truck vehicle-kilometres (millions)	Fuel consumed (millions of litres)	Fuel efficiency (litres/100 km)	Occupancy rate index (1990=100)	Intercity pass.-km (billions)	Urban pass.-km (billions)	Total pass.-km (billions)	Population ('000s)	Intercity pass.-km/capita (no.)	Urban pass.-km/capita (no.)	Total pass.-km/capita (no.)
1930	26,825	4,680	17.4	148.3	20.4	31.5	51.8	123,077	165.4	255.6	421.0
1931	26,235	4,998	17.7	147.7	21.3	33.0	54.3	124,040	172.0	265.7	437.7
1932	26,311	4,725	18.0	148.3	20.0	30.9	50.8	124,840	160.0	247.1	407.1
1933	26,439	4,818	18.2	149.0	20.2	31.1	51.3	125,579	160.5	248.0	408.5
1934	28,519	5,273	18.5	149.7	21.8	33.7	55.6	126,374	172.8	267.0	439.9
1935	30,354	5,694	18.8	149.7	23.2	35.9	59.2	127,250	182.7	282.3	465.0
1936	33,770	6,427	19.0	149.0	25.7	39.8	65.5	128,053	201.1	310.6	511.7
1937	36,536	7,047	19.3	148.3	27.7	42.8	70.6	128,825	215.3	332.6	547.8
1938	37,090	7,248	19.5	148.3	28.2	43.5	71.6	129,825	216.8	335.0	551.9
1939	36,640	7,846	19.8	147.7	30.0	46.3	76.2	130,680	228.9	353.6	582.5
1940	42,233	8,463	20.0	147.0	31.8	49.1	80.8	132,122	240.4	371.4	611.9
1941	46,821	9,496	20.3	147.0	35.2	54.4	89.6	133,402	264.0	407.8	671.8
1942	39,300	8,113	20.6	146.3	29.4	45.5	74.9	134,860	218.2	337.1	555.3
1943	36,015	7,565	21.0	147.0	27.1	41.9	68.9	136,739	198.1	306.1	504.2
1944	36,378	7,678	21.1	147.0	27.4	42.3	69.6	138,307	197.7	305.4	503.1
1945	40,301	8,528	21.2	147.7	30.5	47.0	77.5	139,928	217.8	336.2	553.8
1946	49,688	10,294	20.7	147.7	37.5	58.0	95.5	141,369	265.5	410.2	675.8
1947	58,929	12,354	21.0	147.0	44.3	68.5	112.8	144,126	307.5	475.1	782.7
1948	66,360	14,046	21.2	145.8	49.5	78.4	125.9	146,631	337.3	521.1	858.4
1949	70,207	14,945	21.3	145.0	52.1	80.5	132.5	149,188	349.1	539.4	888.5
1950	82,398	18,322	22.2	143.8	60.6	93.5	154.1	152,271	397.7	614.4	1,012.0
1951	86,922	19,478	22.4	141.6	63.0	97.3	160.3	154,878	406.7	628.3	1,035.1
1952	91,451	20,775	22.7	140.3	65.6	101.4	167.1	157,553	416.6	643.7	1,060.3
1953	97,303	21,587	22.2	138.9	69.2	106.9	176.0	160,184	431.9	687.2	1,099.0
1954	99,140	22,231	22.4	138.3	70.1	108.4	178.5	163,026	430.3	684.8	1,095.1
1955	105,105	23,721	22.6	137.6	74.0	114.3	188.3	165,931	446.0	689.0	1,135.0
1956	110,354	25,052	22.7	136.2	76.9	118.9	195.8	168,903	455.5	703.8	1,159.3
1957	106,376	25,719	23.7	134.9	74.8	115.6	190.4	171,984	435.0	672.1	1,107.1
1958	111,368	26,301	23.6	134.2	76.5	118.2	194.7	174,682	437.4	675.8	1,113.2
1959	119,648	28,157	23.5	133.6	81.8	126.3	208.1	177,830	459.9	710.4	1,170.3
1960	123,710	29,098	23.5	132.9	84.1	130.0	214.1	180,671	465.6	719.4	1,185.0
1961	126,757	30,292	23.9	132.2	85.8	132.5	218.3	183,681	468.9	721.3	1,188.2
1962	132,359	31,656	23.9	131.5	89.1	137.7	226.8	186,538	477.6	737.9	1,215.6
1963	155,614	34,332	22.1	130.2	103.7	160.2	263.9	189,242	547.9	846.5	1,394.4
1964	165,522	36,485	22.0	129.5	109.7	169.5	279.2	191,689	571.8	883.4	1,455.1
1965	176,259	38,617	21.9	128.9	116.2	179.6	295.8	194,303	598.2	924.2	1,522.3
1966	147,117	35,679	24.3	127.5	96.0	148.3	244.3	196,580	488.4	754.6	1,243.0
1967	150,660	36,089	23.9	126.8	97.9	151.3	249.2	198,712	492.8	761.4	1,254.2
1968	165,563	39,488	23.9	125.5	106.3	164.3	270.6	200,706	529.8	818.5	1,348.3
1969	180,264	43,182	24.0	124.2	114.5	177.0	291.5	202,677	565.1	873.1	1,438.2
1970	198,410	46,611	23.5	122.8	124.7	192.7	317.4	205,052	608.2	939.6	1,547.7
1971	221,680	51,044	23.0	122.1	138.7	214.3	353.0	207,661	667.9	1,031.8	1,699.7
1972	252,059	57,350	22.8	120.1	155.0	239.4	394.4	209,896	738.3	1,140.6	1,878.8
1973	284,585	63,701	22.4	118.8	173.0	267.3	440.3	211,909	816.4	1,261.3	2,077.7
1974	294,119	63,054	21.4	116.8	175.8	271.5	447.3	213,654	821.9	1,269.8	2,091.7
1975	322,995	67,769	21.0	113.4	187.5	289.6	477.1	215,973	868.1	1,341.1	2,209.1
1976	363,445	76,331	21.0	112.8	209.7	324.0	533.7	218,035	961.8	1,485.9	2,447.7
1977	403,287	82,883	20.6	111.4	229.9	355.2	585.1	220,239	1,044.0	1,612.9	2,656.9
1978	449,673	91,058	20.2	109.4	251.7	388.9	640.7	222,585	1,131.0	1,747.3	2,878.3
1979	469,776	93,658	19.9	108.1	258.8	401.3	660.1	225,055	1,154.2	1,783.2	2,937.4
1980	468,214	89,314	19.1	107.4	257.3	397.5	654.8	227,722	1,129.9	1,745.6	2,875.4
1981	476,918	89,704	18.8	106.0	258.8	399.8	658.6	229,958	1,125.4	1,738.7	2,864.1
1982	492,696	90,262	18.3	106.0	267.4	413.1	680.4	232,192	1,151.4	1,778.9	2,930.4
1983	527,290	96,739	18.3	104.7	282.5	436.5	719.0	234,321	1,205.7	1,862.7	3,068.3
1984	576,144	104,805	18.2	104.0	306.7	473.8	780.6	236,370	1,297.6	2,004.7	3,302.3
1985	600,401	109,658	18.3	105.4	323.7	500.2	823.9	238,462	1,357.5	2,097.2	3,454.7
1986	626,110	114,567	18.3	104.0	333.3	514.9	848.2	240,680	1,384.9	2,139.5	3,524.4
1987	668,600	122,138	18.3	103.4	353.6	546.3	900.0	242,836	1,456.2	2,249.8	3,706.1
1988	707,300	124,173	17.6	102.0	369.2	570.5	939.7	245,057	1,508.8	2,327.9	3,836.8
1989	731,168	124,937	17.1	100.7	376.7	582.0	958.7	247,343	1,522.9	2,352.9	3,875.8
1990	751,285	125,449	16.7	100.0	384.5	584.0	978.4	249,975	1,538.0	2,376.1	3,914.1

Average annual growth rates (%)

	Light truck vehicle-kilometres (millions)	Fuel consumed (millions of litres)	Fuel efficiency (litres/100 km)	Occupancy rate index (1990=100)	Intercity pass.-km (billions)	Urban pass.-km (billions)	Total pass.-km (billions)	Population ('000s)	Intercity pass.-km/capita (no.)	Urban pass.-km/capita (no.)	Total pass.-km/capita (no.)
1930-1990	5.7	5.6	-0.1	-0.7	5.0	5.0	5.0	1.2	3.8	3.8	3.8
1930-1940	4.6	6.1	1.4	-0.1	4.5	4.5	4.5	0.7	3.8	3.8	3.8
1940-1950	6.9	8.0	1.0	-0.2	6.7	6.7	6.7	1.4	5.2	5.2	5.2
1950-1960	4.1	4.7	0.6	-0.8	3.3	3.3	3.3	1.7	1.6	1.6	1.6
1960-1970	4.8	4.8	-0.0	-0.8	4.0	4.0	4.0	1.3	2.7	2.7	2.7
1970-1980	9.0	6.7	-2.1	-1.3	7.5	7.5	7.5	1.1	6.4	6.4	6.4
1980-1990	4.8	3.5	-1.3	-0.7	4.1	4.1	4.1	0.9	3.1	3.1	3.1

Sources: Travel: 1936-1985: Federal Highway Administration (FHWA), *Highway Statistics, Summary to 1985*, Tables, MF-221, MV-200, VM-201, and VM-201A; 1986-1990: FHWA, *Highway Statistics*, various issues, Table VM-1; Population: 1930-1990: U.S. Bureau of the Census, *Historical Statistics of the United States, Colonial Times to 1970*, series A 6-8; 1940-1990: *Economic Report of the President* (U.S. Government Printing Office, February 1992), p. 331.

Notes: 1) U.S. light truck travel and fuel consumption were estimated from 1930-1965; 2) An occupancy rate of 1.5 persons per car was assumed for intercity travel (1.2 for urban travel) in 1990; the trend in occupancy was estimated by regressing implicit occupancies from fatalities statistics on vehicle registrations per capita; 3) The split of vehicle-kilometres between intercity and urban trips was derived in the following way: beginning in 1966 it is any travel on "other urban" and "other rural" roads; intercity travel forms the residual. The average shares (66% urban and 34% intercity) were then used for the entire period.

N-1.4

U.S. Domestic Intercity Passengers Carried by Public Carriers, 1939-1989

	Rail				Grand total	
	Air	Bus	Intercity	Commuter		Total
I. Passengers carried (millions)						
1939	1.9	132.6	219.9	231.1	451.0	585.5
1940	3.0	140.9	224.6	229.3	453.9	597.8
1941	4.2	185.4	254.1	232.5	486.6	676.2
1942	3.4	335.5	383.3	286.2	669.5	1,008.4
1943	3.3	435.1	572.5	312.2	884.7	1,323.1
1944	4.3	475.7	595.3	317.9	913.2	1,393.2
1945	7.1	481.9	571.2	322.7	893.9	1,382.9
1946	13.1	458.2	452.0	340.7	792.7	1,264.0
1947	13.8	440.9	359.7	344.6	704.3	1,159.0
1948	14.1	443.1	310.7	332.2	642.9	1,100.1
1949	16.3	348.9	246.0	308.5	554.5	919.7
1950	18.9	338.5	209.1	277.1	486.2	843.6
1951	24.5	336.1	214.8	269.5	484.3	844.9
1952	27.2	311.3	209.0	260.5	469.5	808.0
1953	31.2	292.6	200.9	255.8	456.7	780.5
1954	35.1	256.6	189.5	249.1	438.6	730.3
1955	41.3	237.8	183.6	247.8	431.4	710.5
1956	45.3	224.4	181.5	247.1	428.6	698.3
1957	49.2	212.4	162.0	249.1	411.1	672.7
1958	48.7	188.0	139.8	239.1	378.9	615.6
1959	55.3	191.2	129.8	222.5	352.3	598.8
1960	56.8	366	122.7	203.0	325.7	748.5
1961	57.3	358	118.1	198.4	316.5	731.8
1962	61.2	355	117.2	194.5	311.7	727.9
1963	69.9	354	114.5	195.1	309.6	733.5
1964	79.8	360	114.8	198.2	313.0	752.8
1965	92.7	378	106.3	192.6	298.9	769.6
1966	106.6	402	105.3	195.1	300.4	809.0
1967	129.7	400	98.1	198.9	297.0	826.7
1968	147.2	398	92.1	203.5	295.6	840.8
1969	159.9	396	87.8	208.1	295.9	851.8
1970	155.0	401	77.9	206.1	284.0	840.0
1971	158.1	395	71.5	201.3	272.8	825.9
1972	174.4	393	70.4	190.7	261.1	828.5
1973	185.4	381	68.6	185.9	254.5	820.9
1974	191.7	386	76.8	197.4	274.2	851.9
1975	191.1	351	73.9	194.9	268.8	810.9
1976	209.6	340	78.0	193.6	271.6	821.2
1977	225.9	329	77.9	197.5	275.4	830.3
1978	257.0	336	81.1	199.8	280.9	873.9
1979	295.2	368	89.4	205.6	295.0	958.2
1980	275.2	370	20.8	279.4	300.2	945.4
1981	267.3	375	20.6	268.0	288.6	930.9
1982	277.0	370	19.4	259.0	278.4	925.4
1983	299.7	365	18.9	262.0	280.9	945.6
1984	325.2	352	19.9	267.0	286.9	964.1
1985	362.6	348	20.1	277.0	297.1	1,007.7
1986	398.4	336	20.2	303.0	323.2	1,057.6
1987	420.8	333	20.7	311.0	331.7	1,085.5
1988	423.8	334	21.5	325.0	346.5	1,104.3
1989	421.2	343	21.3	332.0	353.3	1,117.5

Average annual growth rates (%)

1939-1950	23.2	8.9	-0.5	1.7	0.7	3.4
1950-1975	9.7	0.1	-4.1	-1.4	-2.3	-0.2
1975-1989	5.8	-0.2	-8.5	3.9	2.0	2.3
1939-1989	11.4	1.9	-4.6	0.7	-0.5	1.3
1939-1949	24.0	10.2	1.1	2.9	2.1	4.6
1949-1959	13.0	-5.8	-6.2	-3.2	-4.4	-4.2
1959-1969	11.2	7.6	-3.8	-0.7	-1.7	3.6
1969-1979	6.3	-0.7	0.2	-0.1	-0.0	1.2
1979-1989	3.6	-0.7	-13.4	4.9	1.8	1.5

U.S. Domestic Intercity Passengers Carried by Public Carriers, 1939-1989

II. Percentage distribution of total intercity passengers carried	Air	Bus	Rail		Total	Grand total
			Intercity	Commuter		
1939	0.3	22.6	37.6	39.5	77.0	100.0
1940	0.5	23.6	37.6	38.4	75.9	100.0
1941	0.6	27.4	37.6	34.4	72.0	100.0
1942	0.3	33.3	38.0	28.4	66.4	100.0
1943	0.2	32.9	43.3	23.6	66.9	100.0
1944	0.3	34.1	42.7	22.8	65.5	100.0
1945	0.5	34.8	41.3	23.3	64.6	100.0
1946	1.0	36.3	35.8	27.0	62.7	100.0
1947	1.2	38.0	31.0	29.7	60.8	100.0
1948	1.3	40.3	28.2	30.2	58.4	100.0
1949	1.8	37.9	26.7	33.5	60.3	100.0
1950	2.2	40.1	24.8	32.8	57.6	100.0
1951	2.9	39.8	25.4	31.9	57.3	100.0
1952	3.4	38.5	25.9	32.2	58.1	100.0
1953	4.0	37.5	25.7	32.8	58.5	100.0
1954	4.8	35.1	25.9	34.1	60.1	100.0
1955	5.8	33.5	25.8	34.9	60.7	100.0
1956	6.5	32.1	26.0	35.4	61.4	100.0
1957	7.3	31.6	24.1	37.0	61.1	100.0
1958	7.9	30.5	22.7	38.8	61.5	100.0
1959	9.2	31.9	21.7	37.2	58.8	100.0
1960	7.6	48.9	16.4	27.1	43.5	100.0
1961	7.8	48.9	16.1	27.1	43.2	100.0
1962	8.4	48.8	16.1	26.7	42.8	100.0
1963	9.5	48.3	15.6	26.6	42.2	100.0
1964	10.6	47.8	15.2	26.3	41.6	100.0
1965	12.0	49.1	13.8	25.0	38.8	100.0
1966	13.2	49.7	13.0	24.1	37.1	100.0
1967	15.7	48.4	11.9	24.1	35.9	100.0
1968	17.5	47.3	11.0	24.2	35.2	100.0
1969	18.8	46.5	10.3	24.4	34.7	100.0
1970	18.5	47.7	9.3	24.5	33.8	100.0
1971	19.1	47.8	8.7	24.4	33.0	100.0
1972	21.1	47.4	8.5	23.0	31.5	100.0
1973	22.6	46.4	8.4	22.6	31.0	100.0
1974	22.5	45.3	9.0	23.2	32.2	100.0
1975	23.6	43.3	9.1	24.0	33.1	100.0
1976	25.5	41.4	9.5	23.6	33.1	100.0
1977	27.2	39.6	9.4	23.8	33.2	100.0
1978	29.4	38.4	9.3	22.9	32.1	100.0
1979	30.8	38.4	9.3	21.5	30.8	100.0
1980	29.1	39.1	2.2	29.6	31.8	100.0
1981	28.7	40.3	2.2	28.8	31.0	100.0
1982	29.9	40.0	2.1	28.0	30.1	100.0
1983	31.7	38.6	2.0	27.7	29.7	100.0
1984	33.7	36.5	2.1	27.7	29.8	100.0
1985	36.0	34.5	2.0	27.5	29.5	100.0
1986	37.7	31.8	1.9	28.6	30.6	100.0
1987	38.8	30.7	1.9	28.7	30.6	100.0
1988	38.4	30.2	1.9	29.4	31.4	100.0
1989	37.7	30.7	1.9	29.7	31.6	100.0

Sources: 1939-1979: Frank A. Smith, *Transportation in America, Historical Compendium 1939-1985* (Westport, Ct: Eno Foundation, 1989), pp. 14-15; 1980-1989: Frank A. Smith, *Transportation in America* (Westport, CT: Eno Foundation, September 1990 supplement), p. 7.

Note: A break exists in the intercity bus series after 1959 owing to the coverage of all classes of bus carrier after this date.

U.S. Intercity Transportation Networks, Within the Continental U.S., 1939–1988

	Airways	Highways	Railroads	Waterways
I. Network length (kilometres)				
1939	50,150	477,689	378,299	39,656
1940	59,460	501,114	376,055	39,703
1941	66,799	520,779	373,321	39,749
1942	71,312	531,339	368,820	39,796
1943	76,883	538,765	366,929	39,843
1944	78,816	543,121	365,860	39,889
1945	80,179	551,294	364,832	39,936
1946	81,772	563,505	364,417	39,983
1947	87,114	584,049	363,398	40,032
1948	103,859	605,664	362,342	40,076
1949	113,719	628,401	361,315	40,123
1950	130,133	658,436	360,137	40,169
1951	137,860	687,718	359,571	40,216
1952	218,872	713,303	358,092	40,263
1953	234,485	736,679	356,885	40,309
1954	248,871	757,726	355,823	40,356
1955	275,962	783,348	355,134	40,403
1956	292,767	810,099	354,411	40,449
1957	313,605	833,550	352,554	40,496
1958	338,194	854,896	351,479	40,543
1959	327,745	878,781	350,137	40,589
1960	471,543	897,578	350,116	40,641
1961	395,287	919,169	348,334	40,652
1962	399,552	938,734	346,154	40,652
1963	406,078	956,613	345,022	40,652
1964	423,818	975,510	342,151	40,845
1965	431,747	993,149	341,060	40,845
1966	416,954	1,011,634	339,744	40,845
1967	425,132	1,030,484	337,682	40,845
1968	446,680	1,044,091	335,786	40,845
1969	456,830	1,058,306	333,981	41,111
1970	468,515	1,071,667	331,951	41,107
1971	475,065	1,083,867	330,270	41,107
1972	482,831	1,093,248	327,178	41,107
1973	489,485	1,095,011	324,420	41,107
1974	495,155	1,097,003	323,343	41,107
1975	504,011	1,102,484	320,462	41,107
1976	519,274	1,109,881	309,631	41,107
1977	527,763	1,104,539	307,715	41,107
1978	537,093	1,101,768	306,669	41,107
1979	544,172	1,096,129	296,924	41,107
1980	549,242	1,061,560 a	288,073	41,107
1981	554,545	1,069,406	270,370	41,107
1982	566,959	1,063,952 b	263,767	41,107
1983	572,281	1,080,163	258,388	41,484 c
1984	579,921	1,088,781	251,956	41,484
1985	601,719	1,119,374	246,313	41,484
1986	613,311	1,139,136 b	241,184	41,484
1987	615,579	1,166,348 b	231,939	41,484
1988	619,100	1,188,290	225,809	41,484

Average annual growth rates (%)

1939–1950	9.1	3.0	–0.4	0.1
1950–1975	5.6	2.1	–0.5	0.1
1975–1988	1.6	0.6	–2.7	0.1
1939–1988	5.3	1.9	–1.0	0.1
1939–1949	8.5	2.8	–0.5	0.1
1949–1959	11.2	3.4	–0.3	0.1
1959–1969	3.4	1.9	–0.5	0.1
1969–1979	1.8	0.4	–1.2	–0.0
1979–1988	1.4	0.9	–3.0	0.1

Sources: 1939–1964: Frank A. Smith, *Transportation in America, Historical Compendium 1939–1985* (Westport, Ct: Eno Foundation, 1989), p. 36; 1965–1988: Frank A. Smith, *Transportation in America* (Westport, CT: Eno Foundation, May 1990), p. 23.

Notes: 1) Mileages were converted to kilometres by the factor 1.609344;

2) Highways include federal–aid primary, secondary and urban extension highways with exclusions;

a: Compiled differently from 1980 through 1986 because of a change in the source's reporting;

b: Revised;

c: Increased by 377 km to reflect the completion of the Tennessee–Tombigbee Waterway.

U.S. and Canadian Road Networks, 1988

	Total length (km)	Share of total length (%)	Road length/ 1,000 pop. (km)	Motor veh./ road km (no.)	Road length/ 1,000 motor vehicles (km)	Autos/ road km (no.)	Road length/ 1,000 autos (km)
I. U.S. road network							
Paved rural	2,409,462	38.7	9.8	78.4	12.7	58.6	17.1
Unpaved rural	2,630,471	42.2	10.7	71.8	13.9	53.7	18.6
Total rural	5,039,933	80.9	20.5	37.5	26.7	28.0	35.7
Paved urban	1,119,704	18.0	4.5	168.8	5.9	126.2	7.9
Unpaved urban	70,364	1.1	0.3	2,685.8	0.4	2,007.5	0.5
Total urban	1,190,068	19.1	4.8	158.8	6.3	118.7	8.4
Total paved	3,529,166	56.6	14.3	53.5	18.7	40.0	25.0
Total unpaved	2,700,835	43.4	11.0	70.0	14.3	52.3	19.1
Total length	6,230,001	100.0	25.3	30.3	33.0	22.7	44.1
Population ('000s):	246,328						
Motor vehicle registrations:	188,981,016						
Automobile registrations:	141,251,695						
II. Canadian road network							
Paved rural	191,085	21.7	7.4	85.5	11.7	63.2	15.8
Unpaved rural	531,985	60.5	20.5	30.7	32.6	22.7	44.0
Total rural	723,070	82.2	27.9	22.6	44.3	16.7	59.8
Paved urban	88,693	10.1	3.4	184.2	5.4	136.3	7.3
Unpaved urban	67,767	7.7	2.6	241.1	4.1	178.3	5.6
Total urban	156,460	17.8	6.0	104.4	9.6	77.2	12.9
Total paved	279,778	31.8	10.8	58.4	17.1	43.2	23.1
Total unpaved	599,752	68.2	23.1	27.2	36.7	20.2	49.6
Total length	879,530	100.0	33.9	18.6	53.8	13.7	72.8
Population ('000s):	25,909						
Motor vehicle registrations:	16,336,261						
Automobile registrations:	12,086,001						

U.S. sources: Road lengths and vehicle registrations: FHWA, *Highway Statistics 1988*, p. 17 and p. 110; Population: *Economic Report of the President* (Washington: U.S. Government Printing Office, February 1992), p. 331.

Canadian sources: Road lengths: Transportation Association of Canada, *Canada's Roadway Infrastructure: Selected Facts and Figures*, 1990, p. 8; Vehicle registrations: Statistics Canada, *Road Motor Vehicles Registrations 1988*, Catalogue no. 53-219, p. 14; Population: Statistics Canada, *Canadian Economic Observer, Historical Statistical Supplement 1990/1991*, Catalogue no. 11-210, July 1991, pp. 96-97.

Note: Since separate data on rural/urban roads were not given in the TAC report, the individual components listed in the table were derived as follows: paved rural roads were the sum of all freeways and paved roads under provincial jurisdiction, and all paved rural roads under federal and municipal jurisdiction; unpaved rural roads were the sum of all gravel and earth roads; paved urban roads were the sum of freeways and paved urban roads under federal and municipal jurisdiction; unpaved urban roads were the sum of all surface treated roads.

Operating Statistics for Major U.S. and Canadian Airlines, 1989 and 1990

Scheduled services

	Revenue passenger enplanements (⁰⁰⁰ s)	Revenue passenger- kilometres (millions)	Available seat- kilometres (millions)	Passenger load factor (%)	Average stage length (km)	Tonne- kilometres (millions)
1990						
1. Total operations						
America West	15,567	17,804	29,192	61.0	1,144	1,767
American	73,227	123,723	198,564	62.3	1,690	12,833
Continental	35,166	63,041	104,353	60.4	1,793	6,695
Delta	65,729	94,923	160,579	59.1	1,444	9,821
Eastern	21,386	26,784	44,380	60.4	1,252	2,638
Northwest	40,902	82,865	124,430	66.6	2,026	10,191
Pan American	17,503	50,003	76,496	65.4	2,857	5,798
Southwest	22,064	16,048	26,484	60.6	727	1,486
Trans World	24,166	55,096	88,447	62.3	2,280	5,956
United	57,550	122,221	184,518	66.2	2,124	13,158
USAir	60,059	57,211	95,724	59.8	953	5,530
Total majors	433,319	709,721	1,133,166	62.6	1,638	81,852
Air Canada	12,971	24,504	34,821	70.4	1,889	3,390
Canadian	8,550	21,624	32,190	67.2	2,529	2,741
Total level 1	21,521	46,128	67,011	68.8	2,143	6,131
2. Domestic operations						
America West	15,567	17,804	29,192	61.0	1,144	1,767
American	66,381	101,779	165,544	61.5	1,533	10,264
Continental	30,101	45,490	77,869	58.4	1,511	4,607
Delta	62,666	81,882	141,217	58.0	1,307	8,336
Eastern	20,592	24,752	40,715	60.8	1,202	2,428
Northwest	35,114	47,511	75,978	62.5	1,353	5,378
Pan American	7,433	11,738	19,565	60.0	1,579	1,305
Southwest	22,064	16,048	26,484	60.6	727	1,486
Trans World	20,198	32,171	54,624	58.9	1,593	3,344
United	52,563	88,462	138,540	63.9	1,683	9,354
USAir	59,518	55,591	93,364	59.5	934	5,337
Total majors	392,197	523,228	863,091	60.6	1,334	56,702
3. International operations						
America West	-	-	-	-	-	-
American	6,846	21,944	33,020	66.5	3,205	2,570
Continental	5,065	17,551	26,484	66.3	3,465	2,087
Delta	3,063	13,041	19,362	67.4	4,258	1,484
Eastern	794	2,033	3,665	55.5	2,560	210
Northwest	5,788	35,354	48,452	73.0	6,108	4,814
Pan American	10,070	38,264	56,931	67.2	3,800	4,494
Southwest	-	-	-	-	-	-
Trans World	3,968	22,927	33,823	67.8	5,778	2,614
United	4,987	33,759	45,977	73.4	6,769	3,804
USAir	541	1,620	2,360	68.6	2,994	193
Total majors	41,122	186,493	270,074	69.1	4,535	25,150
4. Domestic share of total operations (%)						
America West	100.0	100.0	100.0	n/a	n/a	100.0
American	90.7	82.3	83.4	n/a	n/a	80.0
Continental	85.6	72.2	74.6	n/a	n/a	68.8
Delta	95.3	86.3	87.9	n/a	n/a	84.9
Eastern	96.3	92.4	91.7	n/a	n/a	92.0
Northwest	85.8	57.3	61.1	n/a	n/a	52.8
Pan American	42.5	23.5	25.6	n/a	n/a	22.5
Southwest	100.0	100.0	100.0	n/a	n/a	100.0
Trans World	83.6	58.4	61.8	n/a	n/a	56.1
United	91.3	72.4	75.1	n/a	n/a	71.1
USAir	99.1	97.2	97.5	n/a	n/a	96.5
Total majors	90.5	73.7	76.2	n/a	n/a	69.3

Operating Statistics for Major U.S. and Canadian Airlines, 1989 and 1990

Scheduled services

	Revenue passenger enplanements (⁰⁰⁰ s)	Revenue passenger- kilometres (millions)	Available seat- kilometres (millions)	Passenger load factor (%)	Average stage length (km)	Tonne- kilometres (millions)
1989						
1. Total operations						
America West	13,300	12,556	21,764	57.7	944	1,216
American	72,359	118,256	185,354	63.8	1,634	12,025
Continental	34,957	62,397	101,213	61.8	1,785	6,584
Delta	68,200	95,512	150,588	63.4	1,400	9,781
Eastern	14,517	18,656	30,736	60.7	1,285	1,857
Northwest	38,627	73,488	112,997	65.0	1,902	9,441
Pan American	17,174	47,250	74,399	63.5	2,751	5,582
Southwest	20,241	14,933	23,799	62.7	738	1,359
Trans World	25,150	56,401	92,103	61.2	2,243	6,159
United	54,919	111,998	168,089	66.6	2,039	12,086
USAir	61,152	54,231	89,496	60.6	887	5,212
Total majors	420,596	665,675	1,050,538	63.4	1,583	77,524
Air Canada	13,693	23,916	34,761	68.8	1,747	3,257
Canadian	9,100	22,768	33,654	67.7	2,502	2,845
Total level 1	22,793	46,684	68,415	68.2	2,048	6,102
2. Domestic operations						
America West	13,300	12,556	21,764	57.7	944	1,216
American	67,037	101,014	158,743	63.6	1,507	9,976
Continental	30,177	45,748	75,811	60.3	1,516	4,589
Delta	65,401	84,317	132,675	63.6	1,289	8,511
Eastern	13,066	15,432	24,927	61.9	1,181	1,515
Northwest	33,625	43,477	71,410	60.9	1,293	5,087
Pan American	7,734	11,501	18,781	61.2	1,487	1,278
Southwest	20,241	14,933	23,799	62.7	738	1,359
Trans World	21,101	33,704	56,724	59.4	1,597	3,530
United	51,192	87,144	133,185	65.4	1,702	9,258
USAir	60,854	53,297	88,095	60.5	876	5,091
Total majors	383,728	503,122	805,914	62.4	1,311	54,559
3. International operations						
America West	-	-	-	-	-	-
American	5,322	17,242	26,611	64.8	3,240	2,049
Continental	4,780	16,649	25,402	65.5	3,483	1,995
Delta	2,799	11,195	17,913	62.5	4,000	1,270
Eastern	1,451	3,225	5,809	55.5	2,222	342
Northwest	5,002	30,011	41,587	72.2	6,000	4,374
Pan American	9,440	35,749	55,618	64.3	3,787	4,304
Southwest	-	-	-	-	-	-
Trans World	4,049	22,697	35,380	64.2	5,806	2,629
United	3,727	24,852	34,903	71.2	6,668	2,628
USAir	298	934	1,401	66.7	3,133	121
Total majors	36,868	162,553	244,624	66.5	4,409	22,966
4. Domestic share of total operations (%)						
America West	100.0	100.0	100.0	n/a	n/a	100.0
American	92.6	85.4	85.6	n/a	n/a	83.0
Continental	86.3	73.3	74.9	n/a	n/a	69.7
Delta	95.9	88.3	88.1	n/a	n/a	87.0
Eastern	90.0	82.7	81.1	n/a	n/a	81.6
Northwest	87.1	59.2	63.2	n/a	n/a	53.7
Pan American	45.0	24.3	25.2	n/a	n/a	22.9
Southwest	100.0	100.0	100.0	n/a	n/a	100.0
Trans World	83.9	59.8	61.6	n/a	n/a	57.3
United	93.2	77.8	79.2	n/a	n/a	76.6
USAir	99.5	98.3	98.4	n/a	n/a	97.7
Total majors	91.2	75.6	76.7	n/a	n/a	70.4

Sources: U.S.: Department of Transportation, *Air Carrier Traffic Statistics Monthly*, December 1991/1990 and 1990/1989 issues;
 Canada: Statistics Canada, *Canadian Civil Aviation 1990*, Catalogue no. 51-206, November 1991, pp. 5-6.

Notes: 1) A "major" U.S. airline is any carrier earning operating revenues in excess of US\$1 billion per year; 2) "Total majors" is the sum of the previous carriers and Federal Express; 3) Data for USAir include those of Piedmont Airlines which was acquired in 1989 and stopped reporting separate information after July; 4) Eastern Airlines suspended operations after January 1991; 5) Pan American did the same after December 1991.

Financial Statistics for Major U.S. and Canadian Airlines, 1989 and 1990

(millions of U.S. dollars at 1989 and 1990 exchange rates)

	Scheduled passenger revenues	Scheduled freight revenues	Charter passenger revenues	Charter freight revenues	Other revenues	Total operating revenues	Scheduled passenger revenues/oper. rev.
1990							
America West	1,232	26	10	0	53	1,322	93.2%
American	9,729	322	14	0	944	11,009	88.4%
Continental	4,541	192	86	0	384	5,202	87.3%
Delta	8,151	325	12	0	259	8,746	93.2%
Eastern	1,939	38	18	0	187	2,182	88.9%
Northwest	6,338	562	78	24	255	7,257	87.3%
Pan American	3,347	195	81	1	308	3,931	85.1%
Southwest	1,144	16	8	0	18	1,187	96.4%
Trans World	3,849	149	40	0	568	4,606	83.8%
United	9,534	460	32	0	929	10,956	87.0%
USAir	5,753	92	16	0	224	6,085	94.6%
Total majors	55,558	5,086	488	197	8,787	70,095	79.3%
Air Canada	2,263	290	85	0	100	2,738	82.7%
Canadian	1,789	188	91	1	82	2,151	83.2%
Total level I	4,052	478	176	2	181	4,888	82.9%

	Flying operations	Main-tenance	Aircraft service	Passenger service	Sales/administration	Other expenses	Total expenses
America West	500	95	225	117	334	82	1,353
American	3,324	1,215	1,882	1,213	2,518	788	10,941
Continental	1,807	712	759	482	1,292	392	5,444
Delta	2,979	786	1,594	1,008	2,089	526	8,981
Eastern	718	402	380	277	673	285	2,715
Northwest	2,353	764	1,192	672	2,014	404	7,399
Pan American	1,339	489	883	467	868	375	4,421
Southwest	388	114	179	72	267	85	1,105
Trans World	1,368	589	807	511	1,011	482	4,768
United	3,138	1,368	1,395	1,107	2,950	1,052	11,010
USAir	2,205	798	1,220	695	1,348	362	6,628
Total majors	21,384	7,796	11,063	8,634	15,787	9,291	71,955
Air Canada	881	32	313	339	1,129	114	2,809
Canadian	760	13	190	285	921	65	2,234
Total level I	1,641	45	503	625	2,050	179	5,043

	Operating profit	Net income	Interest expenses	Total assets	Total equity	Net income+ interest/assets	Pass. rev./p-km (c)
America West	-32	-75	61	1,187	43	-1.2%	6.92
American	88	-77	166	12,568	3,038	0.7%	7.66
Continental	-242	-1,236	226	3,092	-1,725	-32.7%	7.20
Delta	-235	-154	57	7,446	2,135	-1.3%	8.59
Eastern	-533	-1,118	225	2,704	-1,903	-32.9%	7.24
Northwest	-142	-10	88	7,273	2,413	1.1%	7.65
Pan American	-490	-638	154	2,115	-1,586	-22.9%	6.69
Southwest	82	47	18	1,470	605	4.4%	7.13
Trans World	-162	-238	369	3,301	-712	4.0%	6.99
United	-54	96	121	8,012	1,769	2.7%	7.80
USAir	-543	-411	97	6,478	2,381	-4.8%	10.06
Total majors	-1,860	-3,684	1,779	61,871	8,169	-3.1%	7.83
Air Canada	-71	-63	124	3,555	846	1.7%	9.24
Canadian	-83	-48	87	2,199	443	1.8%	8.27
Total level I	-155	-111	211	5,754	1,289	1.7%	8.78

Percentage distribution of total expenses by activity

	Flying operations	Main-tenance	Aircraft service	Passenger service	Sales/administration	Other expenses	Total expenses
America West	36.9	7.0	16.6	8.6	24.7	6.1	100.0
American	30.4	11.1	17.2	11.1	23.0	7.2	100.0
Continental	33.2	13.1	13.9	8.9	23.7	7.2	100.0
Delta	33.2	8.8	17.7	11.2	23.3	5.9	100.0
Eastern	26.4	14.8	14.0	10.2	24.8	9.8	100.0
Northwest	31.8	10.3	16.1	9.1	27.2	5.5	100.0
Pan American	30.3	11.1	20.0	10.6	19.6	8.5	100.0
Southwest	35.1	10.3	16.2	8.5	24.1	7.7	100.0
Trans World	28.7	12.4	16.9	10.7	21.2	10.1	100.0
United	28.5	12.4	12.7	10.1	26.8	9.6	100.0
USAir	33.3	12.0	18.4	10.5	20.3	5.5	100.0
Total majors	29.7	10.8	15.4	9.2	21.9	12.9	100.0
Air Canada	31.4	1.1	11.1	12.1	40.2	4.1	100.0
Canadian	34.0	0.6	8.5	12.8	41.2	2.9	100.0
Total level I	32.5	0.9	10.0	12.4	40.7	3.6	100.0

Source: U.S.: Department of Transportation, *Air Carrier Financial Statistics Quarterly*, December 1991/1990; Canada: Statistics Canada, *Canadian Civil Aviation 1990*, Catalogue no. 51-206, November 1991, pp. 10-11 and 20. See previous page for definitions and a treatment of takeovers.

Note: 1990 Canadian/U.S. exchange rate: 1.167. See p. N-29 for source.

Financial Statistics for Major U.S. and Canadian Airlines, 1989 and 1990

(millions of U.S. dollars at 1989 and 1990 exchange rates)

	Scheduled passenger revenues	Scheduled freight revenues	Charter passenger revenues	Charter freight revenues	Other revenues	Total operating revenues	Scheduled passenger revenues/ oper. rev.
1989							
America West	923	17	12	0	46	998	92.5%
American	8,836	267	3	0	855	9,961	88.7%
Continental	4,334	158	58	0	393	4,944	87.7%
Delta	8,048	299	8	0	293	8,648	93.1%
Eastern	1,359	36	6	0	151	1,552	87.6%
Northwest	5,635	590	49	3	277	6,554	86.0%
Pan American	3,017	208	32	0	355	3,812	83.5%
Southwest	974	14	12	0	16	1,015	95.9%
Trans World	3,836	155	14	0	502	4,507	85.1%
United	8,458	404	10	0	770	9,642	87.7%
USAir	5,560	80	14	0	204	5,858	94.9%
Total majors	50,980	8,406	294	114	4,062	63,856	79.8%
Air Canada	2,158	274	86	1	86	2,605	82.8%
Canadian	1,733	181	166	8	135	2,224	77.9%
Total level I	3,891	455	253	9	221	4,829	80.6%

	Flying operations	Main- tenance	Aircraft service	Passenger service	Sales/ administration	Other expenses	Total expenses
America West	340	54	160	67	271	59	950
American	2,538	1,014	1,680	1,058	2,264	679	9,230
Continental	1,454	680	718	452	1,156	349	4,788
Delta	2,398	680	1,453	920	2,016	505	7,972
Eastern	536	300	421	208	643	308	2,416
Northwest	1,797	680	1,074	583	1,742	387	6,264
Pan American	1,125	442	798	446	773	346	3,931
Southwest	284	103	150	66	237	78	918
Trans World	1,188	605	766	499	1,011	413	4,483
United	2,366	1,163	1,237	982	2,524	913	9,185
USAir	1,783	743	1,068	631	1,340	292	5,856
Total majors	16,806	6,949	12,708	5,922	14,901	4,822	62,110
Air Canada	763	30	299	297	1,024	101	2,513
Canadian	831	21	210	282	915	73	2,331
Total level I	1,593	51	509	578	1,939	174	4,843

	Operating profit	Net income	Interest expenses	Total assets	Total equity	Net income+ interest/ assets	Pass. rev./ p-km (¢)
America West	48	20	44	856	107	7.5%	7.35
American	731	423	153	10,230	3,118	5.6%	7.47
Continental	156	3	255	3,934	87	6.6%	6.95
Delta	677	473	22	6,559	2,902	7.6%	8.43
Eastern	-865	-852	323	3,280	-800	-16.1%	7.28
Northwest	290	355	15	5,337	2,453	6.9%	7.87
Pan American	-319	-415	117	2,351	-963	-12.7%	6.38
Southwest	98	71	23	1,414	587	6.7%	6.52
Trans World	24	-299	414	3,842	-345	3.0%	6.80
United	457	358	159	7,229	1,665	7.2%	7.55
USAir	3	2	47	6,050	2,808	0.8%	10.25
Total majors	1,746	276	1,690	56,320	13,203	3.5%	7.66
Air Canada	93	127	88	3,167	897	6.8%	9.02
Canadian	-107	-107	108	2,559	440	0.1%	7.61
Total level I	-14	20	197	5,727	1,338	3.8%	8.34

Percentage distribution of total expenses by activity

	Flying operations	Main- tenance	Aircraft service	Passenger service	Sales/ administration	Other expenses	Total expenses
America West	35.8	5.7	16.8	7.1	28.5	6.2	100.0
American	27.5	11.0	18.2	11.4	24.5	7.4	100.0
Continental	30.4	13.8	15.0	9.4	24.1	7.3	100.0
Delta	30.1	8.5	18.2	11.5	25.3	6.3	100.0
Eastern	22.2	12.4	17.4	8.6	26.6	12.8	100.0
Northwest	28.7	10.9	17.2	9.3	27.8	6.2	100.0
Pan American	28.6	11.2	20.3	11.3	19.7	8.8	100.0
Southwest	31.0	11.2	16.4	7.1	25.8	8.5	100.0
Trans World	26.5	13.5	17.1	11.1	22.6	9.2	100.0
United	25.8	12.7	13.5	10.7	27.5	9.9	100.0
USAir	30.5	12.7	18.2	10.8	22.9	5.0	100.0
Total majors	27.1	11.2	20.5	9.5	24.0	7.8	100.0
Air Canada	30.3	1.2	11.9	11.8	40.8	4.0	100.0
Canadian	35.7	0.9	9.0	12.1	39.2	3.1	100.0
Total level I	32.9	1.0	10.5	11.9	40.0	3.6	100.0

Source: U.S.: Department of Transportation, *Air Carrier Financial Statistics Quarterly*, December 1989/1988; Canada: Statistics Canada, *Canadian Civil Aviation 1989*, Catalogue no. 51-206, February 1991, pp. 10-11 and 20. See previous page for definitions and a treatment of takeovers.

Note: 1989 Canadian/U.S. exchange rate: 1.183. See p. N-2.9 for source.

World Civil Aviation Operating Statistics, by Country, Ranked by Passengers Carried, 1987-1990

1990

Country	Aircraft departures (⁰⁰⁰ s)	Scheduled passengers (⁰⁰⁰ s)	Sched. pass./ popul. (no.)	Scheduled passenger- kilometres (millions)	Sched. pass.- km/ popul. (no.)	Sched. average distance flown (km)	Available seat- kilometres (millions)	Load factor (%)	Non- sched. pass.- km (millions)	Popu- lation (⁰⁰⁰ s)
I. Total air travel										
United States	6,826	463,525	1.84	735,184	2,923	1,586	1,185,781	62	16,537	251,523
USSR	n/a	136,647	0.47	240,802	834	1,762	276,784	87	1,672	288,595
Japan	475	76,235	0.62	100,501	814	1,318	134,001	75	142	123,540
United Kingdom	654	46,709	0.81	105,442	1,837	2,257	146,447	72	26,106	57,411
France	418	35,591	0.63	52,525	931	1,476	76,123	69	329	56,420
Germany	344	22,147	0.35	42,387	670	1,914	66,230	64	670	63,232
Spain	245	21,652	0.56	24,157	620	1,116	35,010	69	8	38,959
Canada	347	20,601	0.77	47,115	1,770	2,287	69,287	68	6,276	26,620
Italy	233	20,013	0.35	23,768	412	1,188	37,138	64	443	57,647
Australia	256	17,553	1.03	40,797	2,388	2,324	58,281	70	79	17,086
Sweden	208	11,403	1.33	9,118	1,064	800	14,247	64	44	8,566
Norway	234	8,929	2.10	6,502	1,533	728	10,487	62	1,162	4,242
Switzerland	152	8,603	1.27	16,016	2,357	1,862	24,640	65	184	6,796
Netherlands	115	8,559	0.57	29,036	1,942	3,392	38,715	75	2,707	14,951
New Zealand	128	5,866	1.74	11,279	3,338	1,923	17,623	64	-	3,379
Denmark	91	4,840	0.94	4,657	906	962	7,392	63	822	5,140
Finland	93	4,450	0.89	4,859	975	1,092	8,098	60	4,795	4,986
Belgium	67	3,166	0.32	7,572	758	2,392	11,831	64	-	9,993

II. Domestic air travel

United States	6,379	422,083	1.68	541,034	2,151	1,282	904,404	60	6,175	251,523
USSR	n/a	132,225	0.46	222,964	773	1,686	251,301	89	-	288,595
Japan	417	65,090	0.53	48,010	389	738	64,934	74	2	123,540
France	221	21,887	0.39	17,168	304	784	24,128	71	60	56,420
Spain	182	15,739	0.40	8,591	221	546	12,451	69	2	38,959
Canada	277	13,795	0.52	20,414	767	1,480	32,710	62	37	26,620
Australia	227	13,345	0.78	13,111	767	982	17,567	75	12	17,086
Italy	143	12,838	0.22	6,625	115	516	10,764	62	8	57,647
United Kingdom	291	12,259	0.21	6,420	112	524	10,801	59	105	57,411
Germany	133	8,528	0.13	3,264	52	383	6,040	54	3	63,232
Sweden	146	7,833	0.91	3,396	396	434	5,306	64	1	8,566
Norway	190	6,492	1.53	2,662	628	410	4,487	59	79	4,242
New Zealand	115	4,144	1.23	2,011	595	485	3,365	60	-	3,379
Finland	60	2,483	0.50	985	198	397	1,748	56	1	4,986
Denmark	47	2,414	0.47	803	156	333	1,370	59	22	5,140
Switzerland	33	979	0.14	264	39	270	406	65	21	6,796
Netherlands	14	431	0.03	57	4	132	76	75	4	14,951
Belgium	-	-	-	-	-	-	-	-	-	9,993

III. International air travel

United States	447	41,442	0.16	194,150	772	4,685	281,377	69	10,362	251,523
United Kingdom	363	34,450	0.60	99,022	1,725	2,874	135,647	73	26,001	57,411
France	197	13,704	0.24	35,357	627	2,580	51,996	68	269	56,420
Germany	211	13,619	0.22	39,123	619	2,873	60,189	65	667	63,232
Japan	58	11,145	0.09	52,491	425	4,710	69,067	76	140	123,540
Netherlands	101	8,128	0.54	28,979	1,938	3,565	38,639	75	2,703	14,951
Switzerland	119	7,624	1.12	15,752	2,318	2,066	24,234	65	162	6,796
Italy	90	7,175	0.12	17,143	297	2,389	26,374	65	436	57,647
Canada	70	6,806	0.26	26,701	1,003	3,923	36,577	73	6,240	26,620
Spain	63	5,913	0.15	15,566	400	2,633	22,559	69	7	38,959
USSR	62	4,422	0.02	17,838	62	4,034	25,483	70	1,672	288,595
Australia	29	4,208	0.25	27,686	1,620	6,579	40,715	68	67	17,086
Sweden	62	3,570	0.42	5,722	668	1,603	8,941	64	43	8,566
Belgium	67	3,166	0.32	7,572	758	2,392	11,831	64	-	9,993
Norway	44	2,437	0.57	3,840	905	1,576	6,000	64	1,083	4,242
Denmark	44	2,426	0.47	3,854	750	1,589	6,022	64	800	5,140
Finland	33	1,967	0.39	3,874	777	1,969	6,351	61	4,794	4,986
New Zealand	13	1,722	0.51	9,268	2,743	5,382	14,258	65	-	3,379

Sources: **Air Travel:** International Civil Aviation Organization, *Civil Aviation Statistics of the World*, Doc. 9180/16, 1990 issue, Table 2-3; **Population:** OECD, *Main Economic Indicators*, (Paris: OECD, February 1992), p. 180.

World Civil Aviation Operating Statistics, by Country, Ranked by Passengers Carried, 1987-1990

1989

Country	Aircraft departures (⁰⁰⁰ s)	Scheduled passengers (⁰⁰⁰ s)	Sched. pass./ popul. (no.)	Scheduled passenger- kilometres (millions)	Sched. pass.- km/ popul. (no.)	Sched. average distance flown (km)	Available seat- kilometres (millions)	Load factor (%)	Non- sched. pass.- km (millions)	Popu- lation (⁰⁰⁰ s)
I. Total air travel										
United States	6,505	452,547	1.82	693,940	2,790	1,533	1,101,492	63	13,926	248,762
USSR	n/a	131,420	0.46	226,734	793	1,725	260,614	87	1,274	285,861
Japan	468	69,322	0.56	93,235	757	1,345	129,493	72	231	123,116
United Kingdom	639	46,354	0.81	92,283	1,613	1,991	128,171	72	38,506	57,205
France	393	33,975	0.60	51,533	918	1,517	73,619	70	161	56,160
Canada	370	21,274	0.81	50,372	1,921	2,368	74,076	68	9,747	26,219
Spain	225	20,270	0.52	22,848	589	1,127	32,640	70	105	38,811
Germany	311	19,057	0.31	36,316	586	1,906	55,024	66	62	61,990
Italy	214	17,438	0.30	21,493	374	1,233	33,583	64	710	57,517
Australia	230	15,114	0.90	37,028	2,203	2,450	52,152	71	52	16,867
Sweden	203	10,855	1.28	8,497	1,000	783	13,072	65	41	8,493
Norway	221	8,300	1.96	5,912	1,399	712	9,535	62	955	4,227
Netherlands	122	8,253	0.56	25,896	1,746	3,138	36,473	71	2,468	14,835
Switzerland	146	8,229	1.24	15,536	2,337	1,888	23,902	65	175	6,647
New Zealand	127	5,724	1.73	10,613	3,204	1,854	16,080	66	0	3,312
Denmark	88	4,721	0.92	4,309	840	913	6,733	64	823	5,132
Finland	90	4,299	0.87	4,625	932	1,076	7,341	63	4,738	4,962
Belgium	60	2,812	0.28	6,761	681	2,404	10,402	65	-	9,932
II. Domestic air travel										
United States	6,095	409,086	1.64	524,363	2,108	1,282	848,392	62	6,620	248,762
USSR	n/a	127,169	0.44	210,192	735	1,653	237,639	88	-	285,861
Japan	411	58,911	0.48	43,764	355	743	63,532	69	1	123,116
France	210	20,263	0.36	17,109	305	844	23,729	72	39	56,160
United Kingdom	295	16,075	0.28	4,607	81	287	8,067	57	133	57,205
Spain	166	14,732	0.38	8,086	208	549	11,246	72	7	38,811
Canada	304	14,693	0.56	23,062	880	1,570	36,146	64	57	26,219
Italy	135	11,102	0.19	5,741	100	517	9,349	61	15	57,517
Australia	203	11,066	0.66	10,848	645	980	14,210	76	43	16,807
Sweden	146	7,601	0.89	3,308	389	435	5,089	65	1	8,493
Germany	155	7,305	0.12	2,890	47	396	5,135	56	1	61,990
Norway	182	6,004	1.42	2,441	577	407	4,195	58	76	4,227
New Zealand	116	4,093	1.24	2,005	605	490	3,233	62	0	3,312
Finland	60	2,412	0.49	925	186	383	1,649	56	1	4,962
Denmark	48	2,405	0.47	811	158	337	1,351	60	25	5,132
Switzerland	33	987	0.15	258	39	261	753	34	21	6,647
Netherlands	16	441	0.03	59	4	134	83	71	5	14,835
Belgium	-	-	-	-	-	-	-	-	-	9,932
III. International air travel										
United States	410	43,461	0.17	169,577	682	3,902	253,100	67	7,306	248,762
United Kingdom	344	30,279	0.53	87,676	1,533	2,896	120,104	73	38,372	57,205
France	183	13,712	0.24	34,424	613	2,511	49,890	69	122	56,160
Germany	156	11,752	0.19	33,426	539	2,844	49,890	67	61	61,990
Japan	57	10,411	0.08	49,471	402	4,752	65,961	75	230	123,116
Netherlands	106	7,812	0.53	25,837	1,742	3,307	36,390	71	2,464	14,835
Switzerland	113	7,242	1.09	15,278	2,298	2,110	23,148	66	154	6,647
Canada	66	6,581	0.25	27,310	1,042	4,150	37,931	72	9,690	26,219
Italy	79	6,336	0.11	15,752	274	2,486	24,234	65	695	57,517
Spain	59	5,538	0.14	14,762	380	2,666	21,394	69	97	38,811
USSR	56	4,251	0.01	16,542	58	3,891	22,975	72	1,274	285,861
Australia	27	4,048	0.24	26,180	1,558	6,467	37,942	69	9	16,807
Sweden	57	3,254	0.38	5,189	611	1,595	7,983	65	40	8,493
Belgium	60	2,812	0.28	6,761	681	2,404	10,402	65	-	9,932
Denmark	40	2,316	0.45	3,498	682	1,510	5,382	65	798	5,132
Norway	39	2,296	0.54	3,471	821	1,512	5,340	65	879	4,227
Finland	30	1,887	0.38	3,700	746	1,961	5,692	65	4,737	4,962
New Zealand	11	1,631	0.49	8,608	2,599	5,278	12,848	67	-	3,312

Sources: **Air Travel:** International Civil Aviation Organization, *Civil Aviation Statistics of the World*, Doc. 9180/15 and 16, 1989 and 1990 issues.
Table 2-3; Population: United Nations, *1989 Demographic Yearbook* (New York: United Nations, 1991), pp. 142-145.

World Civil Aviation Operating Statistics, by Country, Ranked by Passengers Carried, 1987-1990

1988

Country	Aircraft departures (⁰⁰⁰ s)	Scheduled passengers (⁰⁰⁰ s)	Sched. pass./ popul. (no.)	Scheduled passenger- kilometres (millions)	Sched. pass.- km/ popul. (no.)	Sched. average distance flown (km)	Available seat- kilometres (millions)	Load factor (%)	Non- sched. pass.- km (millions)	Popu- lation (⁰⁰⁰ s)
I. Total air travel										
United States	6,311	449,403	1.82	674,629	2,739	1,501	1,088,111	62	13,021	246,307
USSR	n/a	124,219	0.44	213,169	751	1,716	247,871	86	1,095	283,682
Japan	454	62,254	0.51	84,054	686	1,350	120,077	70	322	122,613
United Kingdom	573	37,554	0.66	83,042	1,455	2,211	116,961	71	34,690	57,065
France	367	30,625	0.55	47,799	855	1,561	68,284	70	304	55,884
Canada	356	21,993	0.85	46,259	1,785	2,103	67,042	69	8,245	25,911
Spain	207	18,983	0.49	22,272	575	1,173	31,369	71	307	38,766
Australia	296	18,760	1.13	40,363	2,442	2,152	55,292	73	46	16,532
Germany	294	17,895	0.29	34,097	555	1,905	51,662	66	73	61,418
Italy	190	15,649	0.27	19,168	334	1,225	29,950	64	792	57,441
Sweden	190	10,212	1.21	7,830	928	767	11,864	66	70	8,438
Norway	222	8,257	1.96	5,632	1,338	682	8,940	63	1,533	4,209
Netherlands	122	7,860	0.53	24,144	1,636	3,072	34,991	69	2,411	14,758
Switzerland	145	7,753	1.18	14,525	2,203	1,873	23,056	63	165	6,593
New Zealand	112	5,094	1.55	10,850	3,296	2,130	15,500	70	1	3,292
Denmark	85	4,330	0.84	3,935	767	909	5,962	66	1,133	5,130
Finland	84	4,010	0.81	4,034	815	1,006	6,206	65	4,136	4,947
Belgium	51	2,605	0.26	6,528	661	2,506	9,891	66	-	9,883

II. Domestic air travel

United States	5,932	407,992	1.66	521,282	2,116	1,278	859,235	61	4,924	246,307
USSR	n/a	120,405	0.42	198,688	700	1,650	227,184	87	1	283,682
Japan	401	53,023	0.43	39,470	322	744	60,632	65	1	122,613
France	198	18,150	0.32	15,817	283	871	21,934	72	131	55,884
Canada	295	15,728	0.61	22,215	857	1,412	34,550	64	95	25,911
Australia	270	14,821	0.90	14,155	856	955	18,379	77	33	16,532
Spain	149	13,128	0.34	7,430	192	566	10,166	73	8	38,766
United Kingdom	276	11,223	0.20	4,426	78	394	6,234	71	145	57,441
Italy	125	10,208	0.18	5,294	92	519	8,272	64	17	57,441
Sweden	139	7,281	0.86	3,173	376	436	4,913	65	1	8,438
Germany	122	7,110	0.12	2,826	46	397	4,282	66	4	61,418
Norway	187	6,297	1.50	2,525	600	401	4,302	59	76	4,209
New Zealand	102	3,394	1.03	1,629	495	480	2,513	65	1	3,292
Denmark	51	2,373	0.46	826	161	348	1,322	62	14	5,130
Finland	57	2,312	0.47	865	175	374	1,405	62	0	4,947
Switzerland	34	1,025	0.16	261	40	255	768	34	17	6,593
Netherlands	16	405	0.03	54	4	133	78	69	8	14,758
Belgium	-	-	-	-	-	-	-	-	-	9,883

III. International air travel

United States	379	41,411	0.17	153,347	623	3,703	228,876	67	8,098	246,307
United Kingdom	297	26,331	0.46	78,616	1,378	2,986	110,727	71	34,545	57,065
France	169	12,475	0.22	31,982	572	2,564	46,351	69	173	55,884
Germany	172	10,785	0.18	31,271	509	2,899	47,380	66	69	61,418
Japan	53	9,231	0.08	44,584	364	4,830	59,445	75	322	122,613
Netherlands	106	7,455	0.51	24,090	1,632	3,231	34,913	69	2,403	14,758
Switzerland	111	6,728	1.02	14,264	2,164	2,120	22,288	64	148	6,593
Canada	61	6,265	0.24	24,044	928	3,838	32,492	74	8,150	25,911
Spain	58	5,855	0.15	14,842	383	2,535	21,203	70	299	38,766
Italy	65	5,441	0.09	13,874	242	2,550	21,678	64	774	57,441
Australia	26	3,939	0.24	26,208	1,585	6,653	36,913	71	14	16,532
USSR	54	3,814	0.01	14,481	51	3,797	20,687	70	1,094	283,682
Sweden	51	2,931	0.35	4,657	552	1,589	6,951	67	69	8,438
Belgium	51	2,605	0.26	6,528	661	2,506	9,891	66	-	9,883
Norway	35	1,960	0.47	3,107	738	1,585	4,637	67	1,457	4,209
Denmark	34	1,957	0.38	3,109	606	1,589	4,640	67	1,119	5,130
New Zealand	10	1,700	0.52	9,221	2,801	5,424	12,987	71	-	3,292
Finland	27	1,698	0.34	3,169	641	1,866	4,802	66	4,137	4,947

Sources: **Air Travel:** International Civil Aviation Organization, *Civil Aviation Statistics of the World*, Doc. 9180/14 and 15, 1988 and 1989 issues, Table 2-3; **Population:** United Nations, *1989 Demographic Yearbook* (New York: United Nations, 1991), pp. 142-145.

World Civil Aviation Operating Statistics, by Country, Ranked by Passengers Carried, 1987–1990

1987

Country	Aircraft departures (⁰⁰⁰ s)	Scheduled passengers (⁰⁰⁰ s)	Sched. pass./ popul. (no.)	Scheduled passenger— kilometres (millions)	Sched. pass.— km/ popul. (no.)	Sched. average distance flown (km)	Available seat— kilometres (millions)	Load factor (%)	Non— sched. pass.— km (millions)	Popu- lation (⁰⁰⁰ s)
I. Total air travel										
United States	6,256	439,616	1.80	641,733	2,631	1,460	1,035,053	62	13,140	243,942
USSR	n/a	118,302	0.42	200,123	707	1,692	230,026	87	891	283,100
Japan	441	57,758	0.47	76,506	627	1,325	112,509	68	605	122,091
United Kingdom	523	33,705	0.59	77,161	1,355	2,289	108,677	71	31,679	56,930
France	314	27,950	0.50	44,443	799	1,590	64,410	69	291	55,630
Canada	334	19,946	0.78	40,241	1,571	2,017	58,320	69	8,367	25,617
Germany	269	17,011	0.28	31,810	521	1,870	48,197	66	51	61,094
Australia	283	16,784	1.03	35,596	2,189	2,121	50,135	71	25	16,263
Spain	183	16,553	0.43	20,409	527	1,233	29,156	70	1,496	38,696
Italy	180	15,268	0.27	18,647	325	1,221	28,688	65	813	57,345
Sweden	180	9,429	1.12	7,275	866	772	10,699	68	73	8,399
Norway	233	8,146	1.95	5,389	1,287	662	8,165	66	1,570	4,187
Netherlands	118	7,403	0.50	22,605	1,541	3,053	32,761	69	4,264	14,665
Switzerland	123	7,214	1.10	13,834	2,114	1,918	21,616	64	89	6,545
New Zealand	99	4,812	1.47	9,656	2,944	2,007	13,794	70	31	3,280
Denmark	85	4,148	0.81	3,748	731	904	5,432	69	1,271	5,127
Finland	77	3,626	0.74	3,587	727	989	5,518	65	3,442	4,932
Belgium	46	2,362	0.24	5,973	605	2,529	8,784	68	2	9,870

II. Domestic air travel

United States	5,917	402,745	1.65	511,038	2,095	1,269	833,984	61	4,678	243,942
USSR	n/a	114,745	0.41	186,631	659	1,626	210,473	89	0	283,100
Japan	393	49,734	0.41	36,728	301	738	58,018	63	2	122,091
France	166	16,517	0.30	14,321	257	867	20,113	71	189	55,630
Canada	280	14,402	0.56	19,637	767	1,363	30,477	64	142	25,617
Australia	260	13,470	0.83	12,887	792	957	17,694	73	25	16,263
Spain	116	10,129	0.26	5,497	142	543	7,544	73	25	38,696
United Kingdom	262	10,052	0.18	3,918	69	390	5,518	71	170	56,930
Italy	120	9,906	0.17	5,085	89	513	7,823	65	14	57,345
Germany	114	6,840	0.11	2,734	45	400	4,800	57	0	61,094
Sweden	132	6,693	0.80	2,923	348	437	4,391	67	1	8,399
Norway	199	6,309	1.51	2,484	593	394	3,955	63	72	4,187
New Zealand	90	3,305	1.01	1,620	494	490	2,314	70	31	3,280
Denmark	53	2,321	0.45	842	164	363	1,220	69	21	5,127
Finland	51	2,083	0.42	772	157	371	1,253	62	2	4,932
Switzerland	28	866	0.13	235	36	271	367	64	1	6,545
Netherlands	15	380	0.03	52	4	137	75	69	6	14,665
Belgium	—	—	—	—	—	—	—	—	—	9,870

III. International air travel

United States	339	36,871	0.15	130,695	536	3,545	201,069	65	8,461	243,942
United Kingdom	261	23,653	0.42	73,243	1,287	3,097	103,159	71	31,509	56,930
France	148	11,433	0.21	30,122	541	2,635	44,297	68	101	55,630
Germany	155	10,171	0.17	29,076	476	2,859	43,397	67	50	61,094
Japan	46	8,024	0.07	39,778	326	4,957	54,490	73	603	122,091
Netherlands	103	7,023	0.48	22,553	1,538	3,211	32,686	69	4,258	14,665
Spain	67	6,424	0.17	14,912	385	2,321	21,612	69	1,471	38,696
Switzerland	95	6,348	0.97	13,599	2,078	2,142	21,248	64	88	6,545
Canada	54	5,544	0.22	20,604	804	3,716	27,843	74	8,225	25,617
Italy	60	5,362	0.09	13,562	236	2,529	20,865	65	799	57,345
USSR	52	3,557	0.01	13,492	48	3,793	19,554	69	891	283,100
Australia	23	3,314	0.20	22,709	1,396	6,852	32,441	70	0	16,263
Sweden	48	2,736	0.33	4,352	518	1,591	6,307	69	72	8,399
Belgium	46	2,362	0.24	5,973	605	2,529	8,784	68	2	9,870
Norway	34	1,837	0.44	2,905	694	1,581	4,210	69	1,498	4,187
Denmark	32	1,827	0.36	2,906	567	1,591	4,212	69	1,250	5,127
Finland	26	1,543	0.31	2,815	571	1,824	4,265	66	3,440	4,932
New Zealand	9	1,507	0.46	8,036	2,450	5,332	11,480	70	—	3,280

Sources: **Air Travel:** International Civil Aviation Organization, *Civil Aviation Statistics of the World*, Doc. 9180/14, 1988 issue.
Table 2–3; Population: United Nations, *1989 Demographic Yearbook* (New York: United Nations, 1991), pp. 142–145.

Domestic and International Civil Aviation Passenger – Kilometres Travelled, Selected Countries, 1946–1990

(millions)

	Canada	United States	Japan	Australia	France	Germany	Italy	Nether-lands	Sweden	United Kingdom
A. Total scheduled services										
1946	324	11,344	n/a	527	343	n/a	n/a	346	83	584
1947	416	12,736	n/a	814	588	n/a	n/a	473	150	710
1948	596	12,666	n/a	1,049	815	n/a	n/a	723	130	892
1949	741	14,184	n/a	1,126	985	n/a	n/a	608	181	989
1950	857	16,445	n/a	1,269	1,118	n/a	n/a	772	222	1,278
1951	1,000	19,000	12	1,300	1,200	n/a	185	900	275	1,600
1952	1,220	25,025	69	1,482	1,460	n/a	206	1,013	294	2,000
1953	1,425	29,212	134	1,468	1,652	n/a	229	1,179	346	2,611
1954	1,624	33,169	234	1,558	2,711	n/a	307	1,362	379	2,776
1955	1,864	39,188	329	1,725	3,138	78	369	1,485	474	3,291
1956	2,353	44,457	456	1,954	3,616	287	429	1,725	568	3,852
1957	2,762	50,308	568	2,065	3,833	488	555	1,975	741	4,447
1958	3,232	50,692	666	2,189	4,144	664	759	1,986	849	4,714
1959	3,739	58,433	842	2,600	4,505	842	1,039	2,229	881	5,721
1960	4,267	62,542	1,051	3,008	5,229	1,284	1,339	2,672	1,012	7,279
1961	5,033	64,100	1,680	3,062	6,144	1,699	1,864	2,795	1,059	8,178
1962	5,509	70,424	2,240	3,387	6,129	2,098	2,634	2,847	1,177	8,742
1963	5,786	81,048	3,892	3,128	6,005	2,583	3,050	2,563	1,231	9,709
1964	6,296	94,134	4,630	3,997	6,697	3,150	3,589	3,012	1,420	10,869
1965	7,665	110,521	5,518	4,594	7,511	3,785	3,967	3,367	1,492	12,486
1966	8,976	128,566	5,614	5,371	8,987	4,620	4,680	3,902	1,560	13,969
1967	11,102	158,913	6,413	6,597	10,152	5,623	5,247	4,311	1,825	14,691
1968	12,044	183,393	7,297	9,049	9,678	6,008	5,966	4,805	2,027	14,943
1969	12,997	201,829	13,564	8,006	11,717	6,922	7,121	4,799	2,184	17,390
1970	15,397	210,327	14,954	9,268	13,587	8,255	8,400	5,769	2,449	18,954
1971	15,055	218,304	16,502	9,666	14,014	8,610	9,502	6,444	2,630	20,381
1972	18,022	245,267	20,836	11,308	17,484	10,453	10,127	7,925	3,007	24,319
1973	21,701	260,637	26,016	14,241	19,742	11,108	11,131	9,211	3,414	28,256
1974	24,605	262,185	27,797	17,123	21,745	12,473	11,377	9,389	3,477	27,775
1975	24,999	262,013	30,058	18,084	23,277	13,634	10,799	10,323	3,630	30,192
1976	26,031	288,027	32,334	18,625	25,192	14,982	10,780	10,613	4,041	34,044
1977	27,291	310,947	39,042	19,239	27,285	15,905	12,793	11,741	4,191	35,647
1978	29,276	363,895	43,814	20,993	30,215	17,572	13,336	12,778	4,729	45,132
1979	33,986	421,091	50,627	24,742	32,783	19,844	12,589	14,407	5,298	52,426
1980	36,234	409,063	51,217	25,555	34,130	21,056	14,076	14,643	5,209	56,750
1981	35,608	395,884	55,707	24,525	36,718	21,635	13,720	15,652	5,409	59,237
1982	32,140	409,394	46,394	25,243	37,918	21,625	14,787	16,292	5,573	53,636
1983	31,342	444,347	55,882	23,779	38,599	22,704	14,983	16,463	5,877	51,605
1984	31,342	479,449	61,401	26,126	38,687	24,274	16,077	17,446	6,230	56,874
1985	35,684	531,739	64,028	26,238	39,559	24,431	17,652	18,715	6,365	63,809
1986	39,025	583,457	66,587	31,827	39,462	26,640	16,921	19,773	6,811	65,500
1987	40,241	641,733	76,506	35,596	44,443	31,810	18,647	22,605	7,275	77,161
1988	46,259	674,629	84,054	40,363	47,799	34,097	19,168	24,144	7,830	83,042
1989	50,372	693,940	93,235	37,026	51,533	36,316	21,493	25,896	8,497	92,283
1990	47,115	735,184	100,501	40,797	52,525	42,387	23,768	29,036	9,118	105,442
Average annual growth rates (%)										
1950–1960	17.4	14.3	–	9.0	16.7	–	–	13.2	16.4	19.0
1960–1970	13.7	12.9	30.4	11.9	10.0	20.5	20.2	8.0	9.2	10.0
1970–1980	8.9	6.9	13.1	10.7	9.6	9.8	5.3	9.8	7.8	11.6
1980–1990	2.7	6.0	7.0	4.8	4.4	7.2	5.4	7.1	5.8	6.4

B. Domestic scheduled services

1960	2,622	49,175	569	1,932	2,316	93	194	20	155	947
1961	3,119	49,872	926	1,917	1,822	116	288	25	212	1,188
1962	3,304	54,025	1,344	1,997	1,281	130	373	21	264	1,313
1963	3,368	61,790	2,681	1,476	477	190	435	12	262	1,573
1964	3,553	79,698	3,126	1,997	644	264	513	12	302	1,597
1965	4,171	93,639	3,590	2,126	850	359	585	14	304	1,780
1966	4,906	108,996	3,021	3,026	1,055	396	639	17	321	1,941
1967	6,080	135,612	3,256	3,756	1,344	483	766	26	385	2,024
1968	6,265	157,120	3,084	5,888	1,634	818	956	32	422	1,965
1969	6,960	171,602	8,063	4,412	2,135	923	1,166	97	509	2,006
1970	8,027	171,820	8,367	5,230	2,599	1,099	1,439	41	567	2,128
1971	8,004	178,855	9,538	5,476	3,300	1,225	1,732	36	674	2,086
1972	9,235	198,464	11,296	5,718	4,028	1,360	1,743	35	684	2,285
1973	11,943	211,378	14,847	6,868	4,714	1,111	1,967	49	733	2,555
1974	13,412	216,937	16,827	7,577	5,288	1,468	2,197	48	791	2,546
1975	13,883	218,609	17,961	7,980	5,994	1,583	2,188	41	810	2,103
1976	14,087	240,011	18,360	7,259	6,686	1,740	2,074	46	925	2,317
1977	14,300	257,838	22,532	7,663	7,259	1,818	2,338	48	857	2,105
1978	15,422	299,509	25,138	8,379	6,579	1,936	2,344	49	1,032	2,451
1979	18,051	341,772	28,971	9,063	7,380	2,090	2,606	46	1,332	2,747

N-2.2

Domestic and International Civil Aviation Passenger – Kilometres Travelled, Selected Countries, 1946–1990

(millions)

	Canada	United States	Japan	Australia	France	Germany	Italy	Nether-lands	Sweden	United Kingdom
1980	19,941	326,424	28,963	9,786	8,192	2,124	2,867	47	1,254	2,724
1981	20,322	310,940	30,339	10,067	9,458	2,079	3,262	32	1,597	2,902
1982	17,916	326,007	19,903	9,888	10,478	2,030	3,713	39	1,782	2,744
1983	17,247	353,148	29,593	9,445	11,331	2,097	3,907	33	1,964	2,740
1984	15,517	377,263	32,181	9,972	11,155	2,269	4,048	35	2,223	3,189
1985	18,688	424,261	32,847	10,933	11,321	2,373	4,714	32	2,314	3,427
1986	20,285	476,870	33,628	11,724	12,241	2,499	4,594	43	2,678	3,570
1987	19,637	511,038	36,728	12,887	14,321	2,734	5,085	52	2,923	3,918
1988	22,215	521,282	39,470	14,155	15,817	2,826	5,294	54	3,173	4,426
1989	23,062	524,363	43,764	10,848	17,109	2,890	5,741	59	3,308	4,607
1990	20,414	541,034	46,010	13,111	17,168	3,264	6,625	57	3,396	6,420

Average annual growth rates (%)

1960–1970	11.8	13.3	30.8	10.5	1.2	28.1	22.2	7.2	13.8	6.4
1970–1980	9.5	6.6	13.2	6.5	12.2	6.8	7.1	1.4	8.3	2.5
1980–1990	0.2	5.2	5.2	3.0	7.7	4.4	6.7	1.9	10.5	9.0

C. International scheduled services

1960	1,645	13,367	482	1,075	2,912	1,191	1,145	2,652	856	6,331
1961	1,914	14,227	754	1,144	4,322	1,583	1,576	2,770	847	6,991
1962	2,204	16,399	896	1,390	4,848	1,968	2,262	2,827	913	7,429
1963	2,418	19,258	1,211	1,652	5,528	2,394	2,615	2,551	969	8,136
1964	2,744	14,435	1,505	2,000	6,053	2,886	3,076	2,999	1,117	9,272
1965	3,394	16,882	1,928	2,467	6,661	3,426	3,382	3,353	1,189	10,706
1966	4,070	19,569	2,592	2,345	7,931	4,224	4,041	3,685	1,239	12,027
1967	5,022	23,301	3,157	2,841	8,808	5,140	4,481	4,285	1,440	12,667
1968	5,779	26,273	4,213	3,361	8,044	5,189	5,010	4,573	1,606	12,979
1969	6,037	30,227	5,501	3,594	9,582	5,999	5,955	4,702	1,675	15,384
1970	7,370	38,507	6,587	4,038	10,988	7,156	6,961	5,728	1,882	16,826
1971	7,051	39,449	6,964	4,190	10,714	7,385	7,770	6,408	1,956	18,295
1972	8,787	46,803	9,540	5,590	13,456	9,093	8,384	7,890	2,323	22,034
1973	9,758	49,259	11,169	7,373	15,026	9,995	9,164	9,162	2,681	25,701
1974	11,193	45,248	10,970	9,546	16,457	11,005	9,180	9,341	2,686	25,229
1975	11,116	43,404	12,097	10,104	17,283	12,071	8,611	10,282	2,820	26,089
1976	11,944	48,016	13,974	11,366	18,506	13,242	8,708	10,567	3,116	31,727
1977	12,991	53,109	16,510	11,576	20,026	14,087	10,455	11,693	3,334	33,542
1978	13,854	64,386	18,676	12,614	23,636	15,636	10,992	12,729	3,697	42,681
1979	15,935	79,319	21,656	15,679	25,403	17,754	9,983	14,361	3,966	49,679
1980	16,293	82,639	22,254	15,769	25,938	18,932	11,209	14,596	3,955	54,026
1981	15,286	84,944	25,368	14,458	27,260	19,556	10,458	15,620	3,812	56,635
1982	14,224	83,387	26,491	15,355	27,438	19,595	11,074	16,253	3,791	50,892
1983	14,095	91,199	26,289	14,334	27,268	20,607	11,076	16,430	3,913	48,865
1984	15,825	102,166	29,220	16,154	27,532	22,005	12,029	17,411	4,007	53,685
1985	16,996	107,478	31,181	17,305	28,238	22,058	12,938	18,683	4,051	60,382
1986	18,740	106,587	32,959	20,103	27,221	24,141	12,327	19,730	4,133	61,930
1987	20,604	130,695	39,778	22,709	30,122	29,076	13,562	22,553	4,352	73,243
1988	24,044	153,347	44,584	26,208	31,982	31,271	13,874	24,090	4,657	76,616
1989	27,310	169,577	49,471	26,180	34,424	33,426	15,752	25,837	5,189	87,676
1990	26,701	194,150	52,491	27,686	35,357	39,123	17,143	28,979	5,722	99,022

Average annual growth rates (%)

1960–1970	16.2	11.2	29.9	14.1	14.2	19.6	19.8	8.0	8.2	10.3
1970–1980	8.3	7.9	12.9	14.6	9.0	10.2	4.9	9.8	7.7	12.4
1980–1990	5.1	8.9	9.0	5.8	3.1	7.5	4.3	7.1	3.8	6.2

Sources: 1946–1974: United Nations, *Statistical Yearbook*, 1952, 1955, 1959, 1965, 1970, 1972, 1974, and 1977 editions.
1975–1990: International Civil Aviation Organization, *Civil Aviation Statistics of the World*, 1975–1990 editions.

Operating Statistics of Selected International Airlines, Ranked by Passengers Carried in 1989, 1987-1989

No.	Airline	Country	Passengers ('000s)			Passenger-kilometres (millions)			Average trip length (km)		
			1987	1988	1989	1987	1988	1989	1987	1988	1989
A. Total scheduled services (domestic and international)											
1	Aeroflot	URS	118,302	124,219	131,420	200,123	213,169	226,734	1,692	1,716	1,725
2	American	USA	55,184	64,327	72,470	90,926	104,115	118,250	1,648	1,619	1,632
3	Delta	USA	57,273	60,303	68,512	74,660	83,123	95,508	1,304	1,378	1,394
4	United	USA	55,346	56,567	55,154	106,080	111,078	112,004	1,917	1,961	2,031
5	USAir	USA	35,818	35,176	44,950	27,464	29,334	40,438	767	834	900
6	Northwest	USA	37,367	35,883	38,774	63,656	64,608	73,482	1,704	1,800	1,895
7	Continental	USA	40,229	37,045	35,150	63,627	65,187	62,393	1,582	1,760	1,775
8	All Nippon Airways	JPN	25,927	27,157	29,695	23,416	25,184	28,602	903	927	963
9	British Airways	GBR	21,625	22,389	27,009	54,435	56,033	60,525	2,517	2,503	2,241
10	TWA	USA	24,680	25,161	25,190	52,882	55,842	56,400	2,144	2,219	2,239
11	Total Canada	CAN	21,874	23,928	22,793	38,858	45,967	46,684	1,822	1,821	2,048
12	Japan Air Lines	JPN	17,877	19,989	21,922	44,002	49,328	53,182	2,461	2,468	2,426
13	Southwest Airlines	USA	14,214	16,842	20,241	10,863	12,409	14,933	764	737	738
14	Lufthansa	GER	16,889	17,728	18,759	31,756	34,006	36,133	1,880	1,918	1,926
15	Pan American	USA	14,971	18,891	17,242	41,738	47,054	47,251	2,788	2,786	2,740
16	Piedmont Aviation	USA	25,444	27,223	18,732	18,458	21,000	13,783	725	771	824
17	Air France	FRA	13,389	14,764	16,066	31,550	34,335	36,702	2,357	2,326	2,284
18	Iberia	ESP	14,102	14,955	15,504	19,402	20,497	21,035	1,376	1,371	1,357
19	Eastern	USA	45,028	35,935	14,625	58,101	46,331	18,656	1,290	1,289	1,276
20	SAS-Scandinavia	-	12,633	13,320	13,973	13,207	14,027	15,256	1,045	1,053	1,092
21	Air Canada	CAN	12,562	13,680	13,893	20,975	22,811	23,917	1,670	1,667	1,747
22	America West	USA	11,232	12,651	13,300	9,311	11,184	12,556	829	884	944
23	Air Inter	FRA	12,804	13,750	13,252	6,976	7,492	7,898	545	545	596
24	Japan Air System	JPN	10,165	10,677	12,318	6,537	7,029	7,800	643	658	633
25	Korean Air Lines	KOR	8,331	9,826	11,235	14,491	14,682	17,509	1,739	1,494	1,558
26	Alitalia	ITA	9,149	9,155	10,311	15,343	15,634	17,619	1,677	1,708	1,709
27	Saudia	SAU	10,258	9,880	9,988	15,640	14,935	15,695	1,525	1,512	1,571
28	Indian Airlines	IND	10,297	10,271	9,980	8,488	8,743	8,689	824	851	871
29	Canadian Airlines	CAN	9,312	10,248	9,100	18,884	23,156	22,768	2,028	2,260	2,502
30	Malaysia Airlines	MAL	7,396	7,684	8,695	7,605	8,658	10,056	1,028	1,127	1,157
31	Mexicana	MEX	7,555	8,115	8,153	9,736	10,763	10,498	1,289	1,326	1,288
32	Swissair	SUI	6,809	7,033	7,673	13,724	14,324	15,391	2,016	2,037	2,006
33	Thai Airways	THA	5,180	6,236	7,365	13,448	16,682	18,833	2,586	2,675	2,557
34	Varig	BRA	5,743	6,300	7,126	11,669	13,664	16,107	2,032	2,169	2,260
35	Garuda	INA	5,796	6,980	7,109	10,666	13,295	12,635	1,840	1,905	1,777
36	Cathay-Pacific	GBR	5,007	6,031	6,878	17,062	19,686	21,548	3,408	3,261	3,133
37	Singapore Airlines	SIN	5,248	6,047	6,660	24,947	28,062	30,466	4,753	4,641	4,575
38	Olympic	GRE	6,568	6,660	6,632	7,122	7,531	8,015	1,084	1,131	1,209
39	KLM	HOL	5,909	6,229	6,523	21,835	23,303	25,001	3,695	3,741	3,833
40	ATI	ITA	5,104	5,347	5,895	2,751	2,908	3,195	539	544	542
41	Philippines Air	PHI	5,247	5,719	5,715	9,259	10,719	10,592	1,765	1,874	1,853
42	Hawaiian Airlines	USA	4,670	5,497	5,276	4,747	4,841	4,520	1,016	881	857
43	Pakistan Int. Air	PAK	4,434	4,889	5,009	7,781	8,743	9,129	1,750	1,788	1,823
44	Alaska	USA	3,910	4,772	4,990	4,730	5,728	6,472	1,210	1,200	1,297
45	Midway Airlines	USA	3,619	4,258	4,682	4,133	4,813	5,608	1,142	1,130	1,198
46	Air New Zealand	NZL	4,528	4,632	4,501	9,563	10,728	10,097	2,112	2,316	2,243
47	Braniff Airways	USA	1,401	4,322	4,317	2,482	6,513	5,881	1,771	1,507	1,362
48	Qantas	AUS	3,314	3,939	4,048	22,709	26,208	26,180	6,853	6,654	6,468
49	Finnair	FIN	3,444	3,764	4,027	3,546	3,980	4,553	1,030	1,052	1,131
50	Egyptair	EGY	2,891	3,192	3,419	4,906	5,512	6,186	1,697	1,727	1,810
51	Sabena	BEL	2,362	2,605	2,812	5,974	6,528	6,761	2,529	2,506	2,404
52	Air India	IND	2,036	2,162	2,168	8,667	9,107	9,082	4,257	4,212	4,190
B. Domestic scheduled services											
1	Aeroflot	URS	114,745	120,405	127,169	186,631	198,689	210,192	1,626	1,650	1,653
2	American	USA	50,268	58,604	65,498	77,912	88,407	99,329	1,550	1,509	1,517
3	Delta	USA	54,388	56,864	64,461	66,655	72,633	82,917	1,226	1,277	1,286
4	United	USA	51,805	52,499	50,413	88,929	89,961	86,090	1,717	1,714	1,708
5	USAir	USA	35,088	34,481	43,911	27,172	29,056	39,692	774	843	904
6	Northwest	USA	32,717	30,689	32,780	40,830	38,549	42,827	1,248	1,256	1,307
7	Continental	USA	37,452	33,218	30,734	53,552	51,130	46,703	1,430	1,539	1,520
8	All Nippon Airways	JPN	25,499	26,421	28,727	20,154	21,040	23,287	790	796	811
9	TWA	USA	21,378	21,246	20,995	33,311	33,560	33,473	1,558	1,580	1,594
10	Southwest Airlines	USA	14,214	16,842	20,241	10,863	12,409	14,933	764	737	738
11	Piedmont Aviation	USA	25,170	26,770	16,406	18,050	20,110	13,208	717	751	805
12	Total Canada	CAN	16,330	17,809	16,220	19,255	22,561	19,403	1,179	1,267	1,196
13	Japan Air Lines	JPN	11,238	12,464	13,839	9,182	10,243	11,380	817	822	822
14	America West	USA	11,167	12,578	13,206	9,177	11,034	12,365	822	877	936
15	Air Inter	FRA	12,804	13,750	13,119	6,976	7,492	7,764	545	545	592
16	Eastern	USA	40,649	31,889	12,882	52,160	40,346	15,261	1,283	1,265	1,185
17	Japan Air System	JPN	10,165	10,641	12,221	6,537	6,984	7,680	643	656	628
18	Iberia	ESP	7,678	9,100	9,966	4,491	5,655	6,273	585	621	629
19	Indian Airlines	IND	9,786	9,720	9,519	8,110	8,314	8,340	829	855	876
20	Air Canada	CAN	8,772	9,668	9,372	10,361	11,469	11,615	1,181	1,186	1,239
21	British Airways	GBR	5,392	5,711	6,198	2,387	2,510	2,154	443	440	234
22	Pan American	USA	5,807	7,084	7,928	8,884	10,980	11,964	1,530	1,550	1,509
23	Lufthansa	GER	6,775	7,028	7,156	2,717	2,800	2,810	401	398	393
24	Korean Air Lines	KOR	4,989	6,168	6,879	1,699	2,080	2,286	341	337	332
25	Saudia	SAU	7,214	6,610	6,868	5,297	5,082	5,048	734	769	735
26	Canadian Airlines	CAN	7,558	8,141	6,849	8,894	11,082	7,789	1,177	1,363	1,137
27	SAS-Scandinavia	-	6,249	6,481	6,380	3,053	3,162	3,151	489	488	494
28	ATI	ITA	5,104	5,347	5,895	2,751	2,908	3,195	539	544	542
29	Varig	BRA	4,563	4,872	5,500	3,795	4,182	4,907	832	858	892
30	Mexicana	MEX	4,648	4,969	5,346	3,242	3,703	4,005	698	745	749
31	Hawaiian Airlines	USA	4,583	5,422	5,205	4,483	4,587	4,250	978	846	816
32	Garuda	INA	4,315	5,102	5,153	3,591	4,227	4,381	832	829	850
33	Malaysia Airlines	MAL	4,278	4,244	4,861	1,541	1,697	1,979	360	400	407
34	Alaska	USA	3,910	4,772	4,824	4,730	5,728	6,077	1,210	1,200	1,260

Operating Statistics of Selected International Airlines, Ranked by Passengers Carried in 1989, 1987-1989

No.	Airline	Country	Passengers (000s)			Passenger-kilometres (millions)			Average trip length (km)		
			1987	1988	1989	1987	1988	1989	1987	1988	1989
35	Midway Airlines	USA	3,619	4,258	4,649	4,133	4,813	5,595	1,142	1,130	1,204
36	Olympic	GRE	4,475	4,395	4,358	1,357	1,321	1,307	303	301	300
37	Braniff Airways	USA	1,384	4,318	4,299	2,463	6,509	5,871	1,779	1,507	1,366
38	Alitalia	ITA	3,820	3,753	4,022	1,811	1,796	1,910	474	479	475
39	Philippines Airl.	PHI	3,770	3,956	3,939	1,772	1,873	1,921	470	473	488
40	Air France	FRA	2,844	3,145	3,356	6,960	7,798	8,010	2,447	2,480	2,367
41	Pakistan Int. Airl.	PAK	2,685	2,974	3,001	1,987	2,190	2,267	745	736	755
42	Air New Zealand	NZL	3,021	2,932	2,870	1,527	1,508	1,489	505	514	519
43	Thai Airways	THA	1,581	1,996	2,636	887	1,106	1,479	549	554	561
44	Finnair	FIN	1,901	2,068	2,147	731	812	858	385	389	400
45	Egyptair	EGY	1,090	1,202	1,281	440	500	570	407	416	445
46	Swissair	SUI	689	727	750	205	210	218	297	298	287
47	Air India	IND	296	363	375	332	386	429	1,122	1,064	1,143
48	KLM	HOL	24	33	36	4	6	6	166	169	168
49	Cathay-Pacific	GBR	-	-	-	-	-	-	-	-	-
50	Qantas	AUS	-	-	-	-	-	-	-	-	-
51	Sabena	BEL	-	-	-	-	-	-	-	-	-
52	Singapore Airlines	SIN	-	-	-	-	-	-	-	-	-

C. International scheduled services

1	British Airways	GBR	16,233	16,677	17,811	52,049	53,523	56,372	3,206	3,209	3,277
2	Air France	FRA	10,545	11,619	12,710	24,591	26,537	29,692	2,332	2,284	2,257
3	Lufthansa	GER	10,114	10,700	11,603	29,039	31,206	33,323	2,871	2,916	2,872
4	Pan American	USA	9,164	9,807	9,313	32,854	36,074	35,286	3,585	3,679	3,789
5	Japan Air Lines	JPN	6,639	7,524	8,083	34,821	39,085	41,801	5,245	5,194	5,172
6	SAS-Scandinavia	-	6,394	6,839	7,592	10,155	10,885	12,108	1,591	1,589	1,594
7	American	USA	4,916	5,724	6,973	13,014	15,707	18,920	2,847	2,744	2,713
8	Swissair	SUI	6,119	6,306	6,923	13,519	14,114	15,175	2,209	2,238	2,192
9	Cathay-Pacific	GBR	5,007	6,031	6,878	17,062	19,666	21,548	3,408	3,261	3,133
10	Singapore Airlines	SIN	5,248	6,119	6,660	24,947	28,062	30,466	4,753	4,641	4,575
11	Total Canada	CAN	5,544	6,119	6,573	20,604	23,406	27,281	3,716	3,825	4,150
12	KLM	HOL	5,886	6,196	6,487	21,831	23,298	24,995	3,709	3,760	3,853
13	Alitalia	ITA	5,330	5,402	6,289	13,532	13,838	15,709	2,539	2,562	2,498
14	Northwest	USA	4,650	5,195	5,994	22,826	26,059	30,655	4,909	5,018	5,114
15	Iberia	ESP	6,424	5,655	5,536	14,912	14,842	14,762	2,321	2,535	2,666
16	United	USA	3,541	4,158	4,741	17,151	21,116	25,913	4,843	5,078	5,466
17	Thai Airways	THA	3,598	4,238	4,729	12,581	15,576	17,353	3,496	3,673	3,670
18	Continental	USA	2,777	3,627	4,416	10,075	14,057	15,690	3,628	3,675	3,553
19	Korean Air Lines	KOR	3,342	3,659	4,356	12,792	12,602	15,223	3,828	3,445	3,495
20	Air Canada	CAN	3,790	4,012	4,321	10,814	11,342	12,302	2,900	2,827	2,847
21	Aeroflot	URS	3,557	3,814	4,251	13,492	14,481	16,542	3,793	3,797	3,891
22	TWA	USA	3,282	3,915	4,194	19,571	22,282	22,927	5,963	5,692	5,466
23	Delta	USA	2,885	3,439	4,051	8,005	10,490	12,591	2,774	3,050	3,109
24	Qantas	AUS	3,314	3,939	4,048	22,709	26,208	28,180	6,853	6,654	6,468
25	Malaysia Airlines	MAL	3,118	3,440	3,834	6,064	6,960	8,077	1,945	2,023	2,107
26	Saudia	SAU	3,045	3,270	3,120	10,342	9,853	10,647	3,397	3,013	3,412
27	Sabena	BEL	2,362	2,605	2,812	5,974	6,528	6,761	2,529	2,506	2,404
28	Mexicana	MEX	2,907	3,146	2,807	6,494	7,060	6,493	2,234	2,244	2,313
29	Olympic	GRE	2,093	2,265	2,274	5,765	6,210	6,708	2,755	2,742	2,950
30	Canadian Airlines	CAN	1,754	2,107	2,252	9,960	12,064	14,979	5,896	5,725	6,652
31	Egyptair	EGY	1,811	1,990	2,137	4,467	5,011	5,616	2,466	2,518	2,628
32	Pakistan Int. Airl.	PAK	1,789	1,916	2,008	5,774	6,553	6,862	3,264	3,421	3,417
33	Garuda	INA	1,481	1,878	1,955	7,075	9,068	8,254	4,777	4,828	4,221
34	Finnair	FIN	1,543	1,697	1,880	2,815	3,168	3,695	1,824	1,867	1,966
35	Air India	IND	1,740	1,800	1,793	8,335	8,721	8,653	4,791	4,846	4,827
36	Philippines Airl.	PHI	1,477	1,761	1,776	7,487	8,845	8,871	5,068	5,022	4,882
37	Eastern	USA	4,379	4,047	1,743	5,941	5,985	3,395	1,357	1,479	1,947
38	Air New Zealand	NZL	1,507	1,700	1,631	8,036	9,221	8,608	5,332	5,424	5,277
39	Varig	BRA	1,190	1,429	1,627	7,874	9,482	11,200	6,675	6,638	6,885
40	USAir	USA	730	697	1,038	292	278	746	400	398	718
41	All Nippon Airways	JPN	428	737	968	3,262	4,144	5,315	7,624	5,626	5,493
42	Indian Airlines	IND	511	551	460	377	429	549	738	778	758
43	Piedmont Aviation	USA	274	452	326	406	890	575	1,481	1,969	1,762
44	Alaska	USA	-	-	165	-	-	396	-	-	2,394
45	Air Inter	FRA	-	-	133	-	-	134	-	-	1,008
46	Japan Air System	JPN	-	36	98	-	45	120	-	1,237	1,226
47	America West	USA	65	73	94	135	151	191	2,071	2,067	2,029
48	Hawaiian Airlines	USA	88	75	72	264	254	270	3,020	3,392	3,772
49	Midway Airlines	USA	-	-	33	-	-	13	-	-	397
50	Braniff Airways	USA	17	4	17	19	4	9	1,120	1,120	536
51	ATI	ITA	-	-	-	-	-	-	-	-	-
52	Southwest Airlines	USA	-	-	-	-	-	-	-	-	-

Sources: International Civil Aviation Organization, *Civil Aviation Statistics of the World*, issue years 1988-1990, Tables 3-1, and 3-2; ICAO, *Traffic: Commercial Air Carriers, 1985-1990*, Digest of Statistics no. 368, September 1990.

Notes: 1) Data for Thai Airways include both TAC and Thai International which merged in March 1988; 2) British Airways' statistics include British Caledonian's which merged on 14 April 1988; 3) American Airlines' data include Aircal's which merged with the former in March 1987; 4) Data for Braniff Airways are for only six months in 1987; 5) Delta Airlines' data include Western Airlines' which was absorbed by the former in March 1987; 6) USAir's statistics include those of Pacific Southwest Airlines, which was acquired in 1987; USAir also took over Piedmont Aviation in August 1989; however, data have not been revised to reflect this acquisition; 7) Although all carriers larger than the Canadian airlines have been included (based on passengers), please note that the rest of the airlines do not necessarily make up a list of the 51 largest airlines; 8) Data for the Canadian airlines are taken from *Canadian Civil Aviation*, Cat. 51-206, where possible.

Financial Statistics of Selected International Airlines, Ranked by Total Revenues in 1989, 1987-1989

(Fiscal year ended 31 December unless otherwise stated)

No.	Airline	Country	Passenger revenues (US\$ millions)			Total revenues (US\$ millions)			Total expenses (US\$ millions)			Passenger revenue/ Passenger-km (cents)			
			1987	1988	1989	1987	1988	1989	1987	1988	1989	1987	1988	1989	
1	American	USA	6,148	7,553	8,836	7,125	8,551	9,961	6,551	7,750	9,230	6.78	7.25	7.47	
2	United	USA	6,774	7,651	8,458	7,863	8,798	9,642	7,712	8,128	8,185	6.39	6.89	7.35	
3	Delta	USA	5,607	6,839	8,048	6,093	7,393	8,648	5,559	6,869	7,972	7.51	8.23	8.43	
4	British Airways	GBR	5,344	6,015	6,333	6,250	6,857	7,168	5,776	6,259	6,518	9.82	10.73	10.48	
5	Japan Air Lines	JPN	4,409	5,308	5,413	5,918	6,937	7,040	5,373	6,373	6,524	10.02	10.76	10.18	
6	Lufthansa	GER	3,985	4,068	4,272	5,841	6,284	6,650	5,735	6,133	6,577	11.60	11.96	11.82	
7	Northwest	USA	4,322	4,816	5,635	5,074	5,598	6,554	4,669	5,392	6,264	6.97	7.45	7.67	
8	Continental	USA	3,627	4,074	4,334	4,021	4,553	4,944	3,954	4,470	4,788	5.70	6.25	6.95	
9	Total Canada	CAN	2,908	3,575	3,891	3,725	4,465	4,828	3,529	4,385	4,843	7.30	7.78	8.34	
10	Air France	FRA	3,181	3,568	3,695	4,150	4,507	4,733	3,784	4,175	4,605	10.08	10.22	10.07	
11	Air Niippon Airways	JPN	n/a	4,048	4,233	n/a	4,483	4,680	n/a	4,243	4,421	n/a	16.07	14.80	
12	TWA	USA	3,415	3,701	3,856	4,056	4,364	4,507	3,816	4,105	4,483	6.46	6.63	6.80	
13	USAir	USA	2,649	2,655	3,960	2,810	2,903	4,205	2,528	2,659	4,433	9.64	9.05	9.84	
14	Pan American	USA	2,613	3,070	3,017	3,122	3,593	3,612	3,292	3,698	3,831	6.28	6.52	6.84	
15	SAS—Scandinavia	—	2,374	2,196	2,301	3,431	3,181	3,294	3,299	2,958	3,137	17.68	15.67	15.08	
16	Iberia	ESP	1,857	2,070	2,209	2,489	2,769	3,006	2,172	2,563	2,828	9.57	10.10	10.50	
17	KLM	HOL	1,722	1,802	1,930	2,685	2,718	2,987	2,523	2,609	2,835	7.88	7.73	7.72	
18	Swissair	SUI	1,711	1,795	1,861	2,628	2,716	2,808	2,572	2,708	2,769	12.46	12.53	12.22	
19	Air Canada	CAN	1,668	1,921	2,158	2,031	2,323	2,605	1,848	2,207	2,513	7.95	8.42	8.02	
20	Singapore Airlines	SIN	1,344	1,641	1,887	1,841	2,166	2,450	1,642	1,775	1,938	5.39	5.85	6.19	
21	Korean Air Lines	KOR	929	1,085	1,318	1,735	2,120	2,321	1,561	2,159	2,228	6.41	7.39	7.53	
22	Alliata	ITA	1,712	1,753	1,922	2,012	2,064	2,263	1,671	2,012	2,228	11.16	11.21	10.91	
23	Qantas	AUS	n/a	1,969	1,912	n/a	2,430	2,256	n/a	2,345	2,128	n/a	7.51	7.30	
24	Canadian Airlines	CAN	1,241	1,654	1,733	1,684	2,172	2,224	1,580	2,159	2,331	6.57	7.14	7.61	
25	Cathay Pacific	GBR	1,079	1,404	1,637	1,441	1,865	2,115	1,084	1,404	1,660	6.32	7.14	7.60	
26	Aeroflot	URS	718	1,311	1,508	933	1,656	1,891	828	770	1,103	0.36	0.62	0.67	
27	Thai Airways	THA	775	1,030	1,290	942	1,418	1,687	786	1,143	1,317	6.18	6.26	6.85	
28	Egyptair	EGY	538	1,004	1,235	768	1,410	1,666	780	1,407	1,648	10.98	18.22	18.96	
29	Piedmont Aviation	USA	1,667	2,259	1,580	1,964	2,363	1,654	1,804	2,086	1,423	10.12	10.76	11.46	
30	Varig	BRA	842	983	1,073	1,244	1,405	1,561	1,180	1,475	1,872	7.21	7.20	6.68	
31	Eastern	USA	4,052	3,482	3,359	4,529	3,888	1,552	4,470	4,098	2,416	6.97	7.52	7.28	
32	Japan Air System	JPN	n/a	1,297	1,366	n/a	1,412	1,507	n/a	1,363	1,419	n/a	18.45	17.76	n/a
33	Air Inter	FRA	1,012	1,084	1,215	1,088	1,180	1,318	1,022	1,143	1,283	14.51	14.60	15.38	
34	Air New Zealand	NZL	691	804	878	878	1,011	1,015	835	963	984	7.23	7.49	7.92	
35	Southwest	USA	678	828	974	699	860	1,016	612	763	950	6.01	6.54	7.35	
36	America West	USA	559	731	923	577	782	998	612	768	909	6.52	6.88	6.52	
37	Philippines Airl	PHI	n/a	652	691	n/a	857	914	n/a	768	808	n/a	6.08	6.52	
38	Finnair	FIN	465	527	599	719	826	908	688	822	915	13.11	13.25	13.15	
39	Malaysia Airlines	MAL	n/a	647	n/a	n/a	n/a	890	n/a	n/a	789	n/a	n/a	4.70	
40	Air India	IND	502	534	596	767	789	818	772	744	742	5.80	5.87	6.56	
41	Alaska	USA	459	611	685	541	709	794	504	647	736	9.71	10.67	10.74	
42	Mexicana	MEX	554	686	689	608	748	760	599	675	741	5.69	6.37	6.57	
43	Olympic	GRE	583	633	620	718	766	759	672	746	783	8.19	8.41	7.74	
44	Pakistan Int. Airl	PAK	477	571	585	650	710	724	604	663	674	6.14	6.53	6.41	
45	Indian Air Lines	IND	620	572	552	707	658	639	625	593	595	7.30	6.54	6.38	
46	Midway Airlines	USA	330	368	442	341	368	463	316	375	477	7.98	7.64	7.87	
47	Brant Airways	USA	248	370	366	283	415	428	311	428	490	10.01	5.67	6.56	
48	Hawaiian Airlines	USA	232	267	250	289	353	348	310	358	383	4.89	5.51	5.78	
49	ATI	INA	407	420	n/a	558	542	n/a	539	551	n/a	14.81	14.43	n/a	
50	Garuda	INA	—	820	n/a	—	1,103	n/a	—	962	—	—	6.17	—	—
51	Sabena	BEL	589	672	—	1,118	1,158	—	1,095	1,128	—	9.87	10.29	—	
52	Saudia	SAU	1,367	1,177	—	1,947	1,697	—	2,054	1,828	—	8.93	7.88	—	

Sources: International Civil Aviation Organization, *Civil Aviation Statistics of the World*, issue years 1988-1990, Tables 3-1, and 3-2; ICAO, *Financial Data: Commercial Air Carriers, Issue years 1987-1989*.

Notes: 1) See previous table for information on the treatment of mergers and acquisitions; 2) The following airlines have provided financial information based on the fiscal year ending 31 March: Finnair, Air India, Indian Airlines; All Nippon Airways; Japan Air Lines; Malaysia Airlines; KLM; Air New Zealand; Singapore Airlines; British Airways; 3) Egyptair and Pakistan International Airlines report financial statistics for the fiscal year ending 30 June; 4) Thai Airways report statistics for the fiscal year ending 30 September; 5) Qantas reported financial data for 15 months from March 1987 to June 1988. Thereafter, data refer to the fiscal year ending 30 June; 6) SAS reported financial data for 15 months from October 1988 to December 1987. Thereafter, data refer to the fiscal year ending December 31; 7) Aeroflot provides data only for its international operations; 8) data for Canadian airlines are taken from *Canadian Civil Aviation*, Catalogue no. 51-206, and converted into US funds using exchange rates published in Appendix C of the first source cited.

N-2.5

Number of Aircraft Operated and Persons Employed by Selected
International Airlines, Ranked by Total Employees in 1989, 1987-1989

No.	Airline	Country	Aircraft fleet			Total employees			Pilots/co-pilots		
			1987	1988	1989	1987	1988	1989	1987	1988	1989
1	American	USA	410	466	500	57,275	65,340	75,086	4,695	5,601	6,089
2	United	USA	378	407	429	59,669	60,139	65,099	4,192	4,198	4,352
3	Delta	USA	372	393	407	50,039	56,901	61,025	5,264	6,106	6,691
4	British Airways	GBR	192	200	208	48,672	48,170	50,005	2,389	2,510	2,819
5	Lufthansa	GER	127	131	147	39,088	40,684	43,565	1,851	1,924	2,174
6	Air France	FRA	105	105	111	35,894	37,021	39,111	1,466	1,508	1,560
7	Total Canada	CAN	205	223	208	34,824	41,617	37,757	2,741	3,291	3,194
8	Northwest	USA	311	321	334	34,172	34,973	37,481	4,557	4,484	4,761
9	USAir	USA	220	235	441	20,734	21,581	34,807	n/a	2,372	3,796
10	TWA	USA	215	212	213	30,089	30,518	32,677	2,243	2,058	2,091
11	Continental	USA	366	384	382	30,763	30,217	31,725	n/a	n/a	n/a
12	Iberia	ESP	83	84	86	26,417	28,003	29,001	940	1,051	1,093
13	Pan American	USA	119	140	163	21,883	22,826	27,769	1,459	1,421	1,570
14	Varig	BRA	67	69	74	23,356	24,179	24,638	1,065	1,101	1,170
15	KLM	HOL	54	49	54	21,676	22,814	24,247	851	891	937
16	Air Canada	CAN	111	114	114	21,370	21,999	22,675	1,734	1,733	1,755
17	Indian Airlines	IND	48	48	55	20,177	20,915	21,552	451	461	511
18	Japan Air Lines	JPN	91	92	93	20,830	20,891	21,047	1,441	1,448	1,447
19	SAS-Scandinavia	-	105	109	119	20,942	19,795	20,255	n/a	n/a	1,439
20	Alitalia	ITA	67	72	80	18,141	18,191	19,348	1,115	1,192	n/a
21	Swissair	SUI	59	53	54	17,908	18,548	19,296	932	960	969
22	Pakistan Int. Air.	PAK	39	42	40	18,991	19,432	19,292	398	419	n/a
23	Qantas	AUS	31	36	40	14,629	15,226	17,481	749	870	1,012
24	Air India	IND	19	21	21	17,238	17,271	17,443	303	310	n/a
25	Eastern	USA	290	259	191	43,776	32,542	15,469	3,311	2,458	849
26	Canadian Airlines	CAN	94	109	94	13,454	19,618	15,082	1,007	1,558	1,439
27	Malaysia Airlines	MAL	37	40	52	11,013	11,928	12,820	383	466	636
28	Mexicana	MEX	45	n/a	44	14,615	n/a	12,538	974	n/a	954
29	All Nippon Airways	JPN	101	n/a	106	12,004	n/a	12,137	1,115	n/a	1,177
30	Philippines Air.	PHI	n/a	43	43	n/a	10,858	11,922	n/a	443	485
31	Cathay Pacific	GBR	25	30	36	8,581	10,142	11,728	n/a	n/a	n/a
32	Olympic	GRE	57	55	59	12,262	8,169	10,078	430	447	457
33	Air Inter	FRA	43	45	52	8,329	n/a	10,050	532	n/a	623
34	Singapore Airlines	SIN	34	35	33	10,900	11,604	9,899	474	582	610
35	America West	USA	69	70	89	6,132	7,554	9,435	n/a	n/a	885
36	Air New Zealand	NZL	34	38	38	8,229	8,668	9,194	579	615	651
37	Southwest	USA	60	74	94	5,281	6,467	7,760	665	806	839
38	Sabena	BEL	30	28	30	9,466	6,657	7,340	369	371	507
39	Finnair	FIN	37	49	41	5,712	6,505	7,127	392	399	429
40	Alaska	USA	52	52	60	4,351	4,475	5,041	n/a	n/a	655
41	Midway Airlines	USA	38	42	61	2,304	3,559	4,685	320	n/a	n/a
42	Japan Air System	JPN	71	71	71	4,096	4,259	4,452	526	556	612
43	Braniff Airways	USA	28	35	23	1,837	2,537	3,621	358	460	n/a
44	Hawaiian Airlines	USA	36	34	32	2,344	2,655	2,808	239	255	258
45	Aeroflot	URS	98	102	n/a	n/a	n/a	n/a	647	672	n/a
46	ATI	ITA	37	42	n/a	2,580	2,627	n/a	n/a	n/a	n/a
47	Egyptair	EGY	28	36	n/a	11,770	11,995	n/a	263	264	n/a
48	Garuda	INA	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
49	Korean Air Lines	KOR	52	59	n/a	11,293	12,198	n/a	541	556	n/a
50	Piedmont Aviation	USA	181	195	n/a	17,818	19,913	n/a	2,231	2,587	n/a
51	Saudia	SAU	106	113	n/a	23,106	23,773	n/a	751	751	n/a
52	Thai Airways	THA	38	n/a	n/a	12,960	n/a	n/a	291	n/a	n/a

Sources: International Civil Aviation Organization, *Civil Aviation Statistics of the World*, issue years 1988-1990, Tables 3-1 and 3-2; ICAO, *Fleet-Personnel: Commercial Air Carriers*, issue years 1987-1989, Part D.

Notes: 1) See Table N-2.3 for information on the treatment of mergers and acquisitions; 2) Data for the Canadian airlines are taken from SC, *Canadian Civil Aviation*, Catalogue no. 51-206, issue years 1987-1989; 3) Piedmont Aviation's employment and fleet statistics for 1989 have been grouped with USAir's. The former was acquired by the latter in August 1989.

N-2.6

World's Busiest Airports, Ranked by Embarked/Disembarked Passengers Carried by Commercial Airlines, 1987-1989

(Commercial air transport)

City (Airport)	Country	Rank order		Rank order		Rank order		Year over year % changes	
		1989	1989	1988	1988	1987	1987	1989/ 1988/	1988/ 1987
								1988	1987
I. Total passengers embarked plus disembarked ('000s)									
Chicago (O'Hare)	USA	59,130	1	56,800	1	56,300	1	4.1	0.9
Dallas (Dallas – Fort Worth)	USA	47,565	2	44,200	4	41,900	4	7.7	5.7
Los Angeles Int'l.	USA	44,967	3	44,400	3	44,900	3	1.3	-1.1
Atlanta (Hartsfield)	USA	43,312	4	45,900	2	47,700	2	-5.6	-3.7
London (Heathrow)	GBR	39,588	5	37,500	5	34,700	5	5.5	8.0
Tokyo (Haneda)	JPN	36,568	6	32,200	6	29,900	8	13.4	7.5
New York (J.F.K.)	USA	30,323	7	31,200	8	30,200	7	-2.7	3.2
San Francisco Int'l.	USA	29,900	8	30,500	9	29,800	9	-2.0	2.3
Denver (Stapleton)	USA	27,568	9	31,800	7	34,100	6	-13.3	-6.7
Frankfurt (Main)	GER	25,868	10	24,300	11	22,500	14	6.3	8.1
Paris (Orly)	FRA	24,118	11	22,200	15	20,400	15	8.6	8.7
Miami Int'l.	USA	23,385	12	24,500	10	24,000	11	-4.6	2.1
New York (La Guardia)	USA	23,158	13	24,200	12	24,200	10	-4.2	-0.3
Honolulu Int'l.	USA	22,617	14	20,200	17	19,300	19	12.2	4.6
Boston (Logan)	USA	22,273	15	23,700	13	23,300	13	-6.1	-0.3
Osaka (Osaka Int'l.)	JPN	21,874	16	20,100	18	19,300	19	8.7	4.0
Detroit (Metropolitan)	USA	21,495	17	20,100	18	19,700	17	6.8	-0.2
London (Gatwick)	GBR	21,150	18	20,700	16	19,400	18	2.0	7.0
New York (Newark)	USA	20,928	19	22,500	14	23,500	12	-7.0	-4.2
Paris (Charles De Gaulle)	FRA	20,275	20	17,900	24	16,000	24	13.4	11.5
St. Louis (Lambert)	USA	20,015	21	20,000	20	20,400	15	-0.1	-0.9
Minneapolis (Minn./St. Paul)	USA	19,401	22	18,700	22	17,900	22	3.9	-0.7
Toronto (Pearson Int'l.)	CAN	18,990	23	19,100	21	18,300	21	-0.4	5.4
Orlando Int'l.	USA	17,232	24	16,500	25	14,900	25	4.4	9.9
Pittsburgh Int'l.	USA	17,145	25	18,000	23	17,500	23	-4.7	3.0

II. Total international passengers embarked plus disembarked ('000s)

London (Heathrow)	GBR	32,472	1	30,700	1	28,600	1	5.9	7.1
London (Gatwick)	GBR	19,825	2	19,600	2	18,300	2	1.0	7.5
Frankfurt (Main)	GER	19,532	3	18,400	3	16,800	4	6.2	9.7
Paris (Charles De Gaulle)	FRA	18,282	4	16,200	5	14,500	5	13.0	11.9
New York (J.F.K.)	USA	18,000	5	18,200	4	17,400	3	-1.1	3.5
Hong Kong Int'l.	GBR	16,204	6	15,300	6	12,700	7	6.1	20.6
Tokyo (Narita)	JPN	16,127	7	13,900	8	11,400	8	16.1	21.9
Amsterdam (Schiphol)	HOL	15,254	8	14,400	7	13,200	6	6.0	9.0
Singapore (Changi)	SIN	12,973	9	11,400	9	10,000	9	14.0	13.7
Zurich (Zuerich)	SUI	10,999	10	10,200	10	9,600	10	7.9	6.2
Toronto (Pearson Int'l.)	CAN	9,900	11	9,100	12	8,900	11	9.0	6.7
Bangkok Int'l.	THA	9,855	12	8,500	16	7,000	18	16.5	21.1
Miami Int'l.	USA	9,700	13	9,400	11	8,600	13	3.6	9.7
Los Angeles Int'l.	USA	9,244	14	8,100	17	7,500	16	14.6	7.3
Paris (Orly)	FRA	9,159	15	8,700	15	7,900	15	5.2	9.8
Copenhagen (Kastrup)	DEN	9,098	16	8,800	14	8,400	14	3.5	4.2
Palma De Mallorca Int'l.	ESP	8,415	17	9,000	13	8,800	12	-6.3	1.7
Manchester Int'l.	GBR	8,139	18	7,700	18	7,000	18	5.6	9.5
Rome (Fiumicino)	ITA	8,052	19	7,500	19	7,000	18	7.7	4.1
Dusseldorf Int'l.	GER	7,785	20	7,500	19	7,100	17	3.4	6.0
Taipei (Chiang Kai-Shek)	TAI	7,747	21	6,600	22	5,200	25	17.6	23.4
Brussels (Bruxelles Nat'l.)	BEL	7,200	22	6,900	21	6,300	21	5.1	10.0
Madrid (Barajas)	ESP	6,564	23	6,000	24	5,400	24	9.3	11.2
Athens (Athinai)	GRE	6,234	24	6,300	23	6,000	22	-0.4	3.6
Stockholm (Arlanda)	SWE	6,086	25	5,600	26	-	-	9.3	-
Munich (Muenchen)	GER	-	-	-	25	5,600	23	-	5.4

Sources: International Civil Aviation Organization, *Airport Traffic 1989*, Digest of Statistics no. 371, February 1991, p. 2.

Notes: 1) Data for 1988 were derived from the 1989 figures and the percentage change estimates also provided. Numbers have been rounded accordingly to reflect this imprecision; 2) Data for 1987 are based on unrevised 1988 data and the accompanying percentage changes over 1987. These figures are found in ICAO's *Airport Traffic 1988*, Digest of Statistics no. 361, October 1989, p. 2. They too have been rounded.

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World's Busiest Airports, Ranked by Commercial Aircraft Movements, 1987-1989

(Commercial air transport)

City (Airport)	Country	1989	Rank order 1989	1988	Rank order 1988	1987	Rank order 1987	Year over year % changes	
								1989/ 1988	1988/ 1987
								I. Total aircraft movements ('000s)	
Chicago (O'Hare)	USA	758.0	1	712.0	2	694.0	2	6.4	2.6
Dallas (Dallas/Ft. Worth)	USA	698.0	2	674.0	3	594.0	4	3.6	10.1
Atlanta (Hartsfield)	USA	639.9	3	751.0	1	766.0	1	-14.8	-2.0
Los Angeles Int'l.	USA	584.2	4	565.0	4	599.0	3	3.4	-5.7
San Francisco Int'l.	USA	428.0	5	451.0	6	456.0	6	-5.1	-1.1
Denver (Stapleton)	USA	423.1	6	460.0	5	479.0	5	-8.1	-3.8
St. Louis (Lambert)	USA	380.0	7	380.0	7	361.0	8	0.0	5.3
Boston (Logan)	USA	361.0	8	374.0	8	373.0	7	-3.4	0.4
Phoenix (Sky Harbor)	USA	357.9	9	337.0	12	319.0	14	6.3	5.6
Charlotte (Douglas Int'l.)	USA	349.2	10	328.0	15	280.0	19	6.5	16.5
London (Heathrow)	GBR	347.0	11	330.0	14	308.0	15	5.0	7.3
Pittsburgh Int'l.	USA	344.3	12	357.0	9	340.0	10	-3.6	5.1
New York (Newark)	USA	339.5	13	343.0	11	333.0	12	-0.9	2.9
Seattle (Seattle/Tacoma)	USA	322.5	14	301.0	18	275.0	21	7.1	9.5
Detroit (Metropolitan)	USA	322.0	15	317.0	16	336.0	11	1.5	-5.5
New York (La Guardia)	USA	321.4	16	335.0	13	328.0	13	-4.0	1.9
Philadelphia Int'l.	USA	317.8	17	356.0	10	356.0	9	-10.7	-0.2
Toronto (Pearson Int'l.)	CAN	309.4	18	297.0	19	269.0	23	4.3	5.7
Miami Int'l.	USA	300.0	19	312.0	17	302.0	16	-3.8	3.2
Minneapolis (Minn./St. Paul)	USA	298.7	20	294.0	20	288.0	17	1.7	1.9
Frankfurt (Main)	GER	298.0	21	279.0	22	-	-	6.8	-
New York (J.F.K.)	USA	280.4	22	280.0	21	259.0	25	0.2	7.9
Houston (Intercontinental)	USA	271.5	23	246.0	25	260.0	24	10.5	-5.5
Las Vegas (MacCarran Int'l.)	USA	264.1	24	256.0	24	271.0	22	3.2	-3.2
Honolulu Int'l.	USA	258.7	25	246.0	25	278.0	20	5.2	-11.6
Memphis (Memphis Int'l.)	USA	-	-	-	23	287.0	18	-	-10.1
II. International aircraft movements ('000s)									
London (Heathrow)	GBR	259.7	1	244.0	1	226.0	1	6.3	8.1
Frankfurt (Main)	GER	208.8	2	196.0	2	177.0	2	6.3	11.0
Amsterdam (Schiphol)	HOL	186.9	3	181.0	3	168.0	3	3.4	7.9
Paris (Charles De Gaulle)	FRA	183.1	4	161.0	4	141.0	5	13.5	14.6
London (Gatwick)	GBR	162.9	5	158.0	5	148.0	4	3.4	6.1
Copenhagen (Kastrup)	DEN	147.9	6	132.0	7	123.0	7	11.8	7.2
Zurich (Zuerich)	SUI	144.2	7	133.0	6	121.0	8	8.2	10.1
Toronto (Pearson Int'l.)	CAN	120.1	8	111.0	9	95.0	11	8.3	9.4
Brussels (Bruxelles Nat'l.)	BEL	120.0	9	116.0	8	100.0	9	3.4	16.5
New York (J.F.K.)	USA	108.7	10	107.0	10	98.0	10	1.2	8.7
Miami Int'l.	USA	108.0	11	103.0	11	126.0	6	4.9	1.6
Tokyo (Narita)	JPN	105.4	12	96.0	12	83.0	12	9.4	15.5
Hong Kong Int'l.	GBR	94.3	13	87.0	13	74.0	13	8.4	18.2
Singapore (Changi)	SIN	87.4	14	79.0	14	72.0	14	10.6	9.6
Dusseldorf Int'l.	GER	82.7	15	76.0	16	67.0	16	9.4	13.3
Stockholm (Arlanda)	SWE	81.8	16	72.0	17	64.0	19	13.1	13.3
Munich (Muenchen)	GER	81.3	17	79.0	14	70.0	15	2.8	12.2
Rome (Fiumicino)	ITA	80.3	18	72.0	17	67.0	16	11.5	6.7
Paris (Orly)	FRA	75.8	19	72.0	17	67.0	16	4.7	8.4
Manchester Int'l.	GBR	74.4	20	68.0	20	59.0	22	8.8	15.2
Bangkok Int'l	THA	70.4	21	63.0	21	-	-	12.5	-
Madrid (Barajas)	ESP	70.3	22	60.0	26	54.0	25	17.8	9.7
Vienna (Wien/Schwechat)	AUT	67.8	23	61.0	25	56.0	24	10.6	9.3
Geneva (Cointrin)	SUI	66.9	24	63.0	21	61.0	21	5.5	3.8
Athens (Athina)	GRE	61.9	25	63.0	21	62.0	20	-1.1	0.8
Milan (Linate)	ITA	-	-	62.0	24	57.0	23	-	8.7

Sources: International Civil Aviation Organization, *Airport Traffic 1989*, Digest of Statistics no. 371, February 1991, p. 2.

Notes: 1) Data for 1988 were derived from the 1989 figures and the percentage change estimates also provided. Numbers have been rounded accordingly to reflect this imprecision; 2) Data for 1987 are based on unrevised 1988 data and the accompanying percentage changes over 1987. These figures are found in ICAO's *Airport Traffic 1988*, Digest of Statistics no. 361, October 1989, p. 2. They too have been rounded.

Road and Rail Statistics for Great Britain, 1946-1990

Passenger trips			Passenger-kilometres			Passenger avg. trip lengths			Freight tonnes			Freight tonne-km			Freight avg. trip lengths			Road/rail networks			Road accidents		
Bus pass. trips (mill.)	Rail pass. trips (mill.)	Total road pass. km (bill.)	Cars/ tax/ m cyc. pass. km (bill.)	Bus pass. km (bill.)	Rail pass. km (bill.)	Bus pass. avg. trip length (km)	Rail pass. avg. trip length (km)	Bus pass. avg. trip length (km)	Road freight tonnes moved (mill.)	Rail freight tonnes moved (mill.)	Road freight tonne-km (bill.)	Rail freight tonne-km (bill.)	Road freight avg. trip length (km)	Rail freight avg. trip length (km)	Road freight avg. trip length (km)	Length of road network (km)	Length of rail network (km)	Road acci- dents (000s)	Road total- ities (no.)	Road casu- alties (000s)			
-	1,266	-	-	-	47.0	-	-	37	-	267	-	33.7	-	126	-	126	284,466	31,963	-	5,062	163		
-	1,140	-	-	-	37.0	-	-	32	-	261	-	33.0	-	126	-	126	31,950	31,963	-	4,513	168		
-	1,024	-	-	-	34.2	-	-	33	-	278	-	35.4	-	127	-	127	31,563	31,563	-	4,513	153		
-	1,021	-	-	-	34.0	-	-	33	-	285	-	36.0	-	128	-	128	31,500	31,500	147	4,773	177		
-	1,010	-	-	-	32.5	-	-	32	-	286	-	36.2	-	127	-	127	31,336	31,500	167	5,012	201		
-	1,030	-	-	-	33.5	-	-	33	-	289	-	37.4	-	128	-	128	287,466	31,152	178	5,250	218		
-	1,017	158	54	81	32.9	-	-	32	-	861	31	36.6	36	127	36	127	296,570	31,022	172	4,706	208		
-	1,015	163	60	82	33.1	-	-	33	-	889	294	37.2	36	127	36	127	298,758	30,821	186	5,090	222		
-	1,020	167	67	81	33.3	-	-	33	-	940	288	35	36.1	125	37	125	301,012	30,621	196	5,010	238		
-	1,024	175	77	80	32.7	-	-	33	-	1,013	279	38	34.9	125	38	125	302,710	30,676	217	5,526	268		
-	1,029	178	84	78	34.0	-	-	33	-	1,009	281	38	35.1	125	38	125	304,228	30,618	216	5,367	268		
-	1,101	175	85	74	36.4	-	-	33	-	985	279	37	34.1	122	37	122	308,018	30,521	219	5,550	274		
-	1,090	187	103	70	35.6	-	-	33	-	1,078	247	41	30.1	122	38	122	307,620	30,333	237	5,970	300		
-	1,089	200	115	71	35.8	-	-	33	-	1,164	238	48	29.0	122	38	122	312,502	29,877	261	6,520	333		
-	1,037	208	127	69	34.7	-	-	33	-	1,211	252	49	30.5	121	40	121	314,171	29,512	270	6,870	346		
-	1,025	220	142	67	33.9	-	-	33	-	1,260	242	53	28.8	119	42	119	319,382	28,313	272	7,820	358		
-	965	228	152	65	31.7	-	-	33	-	1,268	232	55	26.3	113	43	113	315,649	27,300	272	7,820	358		
-	938	235	163	64	30.9	-	-	33	-	1,407	239	57	25.2	110	43	105	319,382	27,300	272	7,820	358		
-	928	282	211	62	32.0	-	-	34	-	1,560	243	66	26.2	108	42	108	321,455	25,735	262	7,852	368		
-	865	297	231	59	30.1	-	-	35	-	1,590	232	69	25.2	108	43	109	323,568	24,011	269	7,952	398		
-	835	314	250	59	29.7	-	-	36	-	1,641	217	73	23.6	105	44	105	325,182	22,082	262	7,985	392		
-	837	327	263	58	29.1	-	-	35	-	1,651	204	75	21.4	105	44	105	326,180	21,188	277	7,319	370		
-	831	336	275	56	28.7	-	-	35	-	1,707	211	79	22.7	108	46	108	328,178	20,980	264	6,810	349		
-	805	343	283	55	29.6	-	-	37	-	1,658	211	83	23.2	110	50	110	320,315	19,470	262	7,365	353		
-	824	351	293	53	30.4	-	-	37	-	1,610	209	85	24.5	110	53	117	322,464	18,989	267	7,499	363		
-	816	367	310	51	30.1	-	-	37	-	1,582	198	86	21.8	110	54	110	324,965	18,738	259	7,699	352		
-	754	381	326	51	29.1	-	-	39	-	1,629	177	96	22.8	110	54	118	327,711	18,277	265	7,763	360		
-	728	398	341	53	29.8	-	-	41	-	1,650	166	90	22.8	110	54	118	327,711	18,277	262	7,763	360		
-	733	398	331	54	30.9	-	-	42	-	1,537	176	90	21.7	110	59	123	329,036	18,168	244	6,876	354		
-	730	398	328	55	30.9	-	-	42	-	1,511	175	92	20.9	110	61	119	330,036	18,007	246	6,968	325		
-	702	404	346	53	28.4	-	-	40	-	1,505	176	96	20.8	110	61	117	332,846	16,007	258	6,570	340		
-	702	415	358	51	29.3	-	-	42	-	1,419	171	99	20.3	110	66	116	336,284	17,901	265	6,831	350		
-	724	435	380	50	30.0	-	-	43	-	1,491	172	99	20.0	110	66	116	338,284	17,901	265	6,831	350		
6,625	748	431	379	48	30.7	48	30.7	72	41	1,467	169	102	19.9	118	69	118	337,878	17,735	265	6,932	335		
6,472	760	453	403	45	30.3	70	40	72	40	1,383	154	92	17.6	118	67	115	339,633	17,945	263	6,810	325		
6,224	719	456	410	42	29.7	67	41	67	41	1,286	154	93	17.5	118	68	112	342,320	17,431	266	5,846	325		
5,864	630	468	421	41	27.2	72	43	72	43	1,376	142	94	15.9	118	68	112	343,942	17,229	276	5,934	334		
5,516	684	471	423	41	29.5	76	43	75	43	1,344	145	95	17.1	118	71	116	345,776	16,964	262	5,445	309		
5,587	702	491	443	42	29.8	75	43	75	43	1,390	145	100	12.7	118	72	116	347,589	16,816	280	5,599	324		
5,650	697	496	448	42	29.7	74	43	74	43	1,445	122	103	15.4	118	72	116	348,699	16,792	279	5,165	318		
5,641	699	516	470	41	31.0	73	44	73	44	1,471	140	105	16.5	118	72	118	351,076	16,670	291	5,362	321		
5,325	711	545	497	41	32.3	77	45	77	45	1,542	141	113	17.3	118	73	123	352,895	16,533	288	5,125	311		
5,311	766	572	528	41	34.4	77	45	77	45	1,758	150	130	18.2	118	74	122	354,315	16,599	304	5,052	322		
5,238	744	609	563	41	33.2	78	45	78	45	1,812	146	138	17.3	118	76	116	358,602	16,587	325	5,373	342		
5,085	779	614	568	41	34.1	81	44	81	44	1,749	141	136	15.8	118	76	112	358,034	16,564	330	5,217	341		
Average annual growth rates (%)																							
-	-	4.0	6.2	-1.7	-0.3	-	-	1.2	2.5	-2.2	4.8	-2.4	2.3	-0.3	-	-	9.4	-2.3	1.6	1.3	2.0		
-	-	3.1	3.7	-1.9	0.7	-	-	0.2	1.0	-1.4	2.7	-1.8	1.7	-0.4	-	-	0.5	-0.6	2.0	-1.3	0.4		
-	-	3.4	3.7	-0.3	1.5	2.0	0.6	0.8	3.5	-1.0	4.3	-1.1	0.8	-0.1	-	-	0.5	-0.6	2.5	-1.3	0.5		
-	-	3.6	6.4	-1.8	0.1	0.8	0.8	0.8	1.9	-1.9	4.0	-2.2	2.1	-0.3	-	-	0.5	-1.6	1.7	0.3	1.3		

Road and Rail Statistics For Japan, 1946-1988

Year	Passengers carried				Passenger-kilometres				Average trip lengths				Freight tonne-km				Freight avg. trip lengths				Road/rail networks (000s km)				Vehicle registrations				Popul.
	Pass. car (mill)	Bus pass. trips (mill)	Rail pass. trips (mill)	Pass. car pass. km (mill)	Bus pass. km (mill)	Car pass. km (mill)	Bus pass. km (mill)	Car avg. trip (km)	Bus avg. trip (km)	Rail avg. trip (km)	Rail freight tonne-km (mill)	Truck freight tonne-km (mill)	Rail freight tonne-km (mill)	Truck freight tonne-km (mill)	Truck avg. trip (km)	Rail avg. trip (km)	Length of road network (km)	Length of rail network (km)	Length of truck network (km)	Pass. cars (000s)	Buses (000s)	Trucks (000s)	Number of persons (000s)						
1946	-	-	8,587	-	-	133,737	-	15.6	-	17.0	132.7	n/a	22.7	n/a	170.7	n/a	n/a	n/a	40.8	29	11.6	144.4	75,750						
1947	-	-	8,111	-	-	116,832	-	14.7	-	17.0	154.1	n/a	26.9	n/a	174.4	n/a	n/a	n/a	41.0	31	13.4	183.3	78,101						
1948	-	-	7,801	-	-	104,440	-	13.4	-	23.0	156.4	n/a	30.4	n/a	194.1	n/a	n/a	n/a	41.0	37	16.9	220.8	80,002						
1949	122	1,393	8,298	730	8,300	105,570	6.0	6.0	12.7	30.0	165.0	5.4	33.8	17.5	205.0	41.1	48	20.4	279.7	48	20.4	279.7	81,773						
1950	247	1,835	8,733	1,300	11,300	116,464	5.3	6.2	13.6	35.0	166.3	6.1	40.5	17.4	206.6	n/a	41.1	63	22.8	336.3	63	22.8	336.3	83,200					
1951	327	2,085	9,139	1,600	17,300	120,127	5.5	6.8	13.9	38.0	165.2	6.5	39.9	17.0	215.3	n/a	41.6	92	25.8	419.4	92	25.8	419.4	84,541					
1952	465	2,574	9,138	2,500	17,300	125,046	5.4	6.7	13.7	49.0	163.3	8.4	41.7	16.8	215.5	n/a	41.8	125	29.3	528.8	125	29.3	528.8	85,808					
1953	573	3,104	9,385	3,300	20,800	129,550	5.8	6.7	13.8	53.0	169.7	8.9	40.6	16.8	213.9	n/a	41.9	139	32.6	611.8	139	32.6	611.8	86,981					
1954	706	3,556	9,781	4,180	23,320	136,112	5.9	6.6	13.9	56.0	169.4	9.5	43.3	16.7	223.6	n/a	42.1	158	35.2	693.0	158	35.2	693.0	88,239					
1955	954	4,127	10,285	5,700	27,600	145,371	6.0	6.7	14.1	65.0	170.2	13.2	48.0	17.0	227.2	n/a	42.9	188	39.5	809.4	188	39.5	809.4	89,278					
1956	1,120	4,770	10,637	7,200	31,300	152,117	6.4	6.8	14.0	77.0	171.0	15.3	49.0	16.9	227.7	n/a	43.0	226	43.9	925.4	226	43.9	925.4	90,172					
1957	1,255	5,246	11,087	8,400	34,300	159,604	6.7	6.5	14.4	90.0	170.0	18.3	50.5	17.2	229.3	n/a	43.0	269	47.9	1,032.7	269	47.9	1,032.7	90,928					
1958	1,281	5,937	11,669	8,600	39,200	170,303	6.9	6.8	14.6	1,082.0	220.1	20.8	54.5	18.0	228.9	n/a	42.9	331	52.0	1,172.4	331	52.0	1,172.4	91,761					
1959	1,610	6,281	12,260	11,532	43,999	184,340	7.2	7.0	15.0	1,156.0	238.2	28.6	58.5	18.5	232.3	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	92,641					
1960	2,150	7,144	12,975	15,958	49,237	197,015	7.4	6.9	15.2	1,602.0	247.4	32.4	60.1	21.6	237.3	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	93,419					
1961	2,564	7,873	13,639	19,622	54,359	210,954	7.7	6.9	15.7	1,948.0	253.4	42.0	66.1	21.6	237.3	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	94,287					
1962	3,152	8,234	15,241	26,491	62,673	227,448	8.4	7.5	15.7	2,210.0	258.6	47.2	69.9	21.4	238.9	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	95,456					
1963	3,695	10,324	15,241	31,922	76,039	241,855	8.6	7.4	15.9	2,210.0	258.6	47.2	69.9	21.4	238.9	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	96,459					
1964	4,306	10,557	15,798	40,622	80,134	255,383	9.4	7.8	16.2	2,193.0	252.5	48.4	57.3	22.1	228.9	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	97,152					
1965	5,236	10,794	15,923	54,595	83,933	259,745	10.4	7.8	16.2	2,654.0	249.7	64.9	55.9	24.5	223.9	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	98,273					
1966	6,653	11,232	16,204	74,111	90,476	270,480	11.1	8.1	16.6	3,272.0	258.1	81.1	59.9	24.8	223.9	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	99,058					
1967	8,214	11,526	16,204	103,612	95,314	273,716	12.6	8.3	16.9	3,813.0	253.8	101.5	59.9	26.8	236.3	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	100,058					
1968	10,111	11,674	16,034	141,689	100,192	273,716	14.0	8.6	17.2	4,165.0	252.8	119.9	61.1	28.8	242.0	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	101,399					
1969	12,221	11,812	16,394	181,635	100,843	298,816	14.8	8.7	17.6	4,626.0	255.8	135.9	63.4	29.7	247.7	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	102,536					
1970	13,697	11,634	16,495	211,635	100,743	300,248	15.5	9.7	17.6	4,786.0	251.3	143.7	62.2	29.7	247.7	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	103,598					
1971	14,572	11,711	16,765	225,732	101,713	312,928	15.1	9.2	17.9	5,203.0	239.4	151.0	59.3	28.7	254.9	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	104,720					
1972	15,922	11,390	17,056	225,732	111,713	312,928	14.2	9.6	18.3	4,912.0	239.4	151.0	59.3	28.7	254.9	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	105,145					
1973	16,105	11,206	17,569	228,446	115,776	324,024	14.2	10.3	18.4	4,912.0	239.4	151.0	59.3	28.7	254.9	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	105,145					
1974	17,681	10,231	17,568	250,804	100,063	323,800	14.2	10.3	18.4	4,912.0	239.4	151.0	59.3	28.7	254.9	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	106,104					
1975	18,679	10,231	17,562	284,459	98,714	319,586	14.2	9.6	18.2	4,356.0	186.0	132.6	46.3	30.4	248.9	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	108,104					
1976	19,416	10,189	17,767	263,961	104,639	312,296	13.6	10.3	17.6	4,456.0	175.2	143.1	41.2	32.1	236.0	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	110,573					
1977	21,446	9,964	17,760	296,044	107,009	311,129	13.7	10.7	17.5	4,860.0	178.8	156.1	41.2	32.1	236.0	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	111,940					
1978	23,405	9,967	17,838	319,869	108,317	312,462	13.7	10.9	17.5	5,259.0	183.8	172.9	43.1	32.9	234.4	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	114,165					
1979	23,612	9,903	18,005	321,272	110,396	314,542	13.6	11.1	17.5	5,259.0	183.8	172.9	43.1	32.9	234.4	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	114,165					
1980	23,672	9,672	18,218	328,251	108,827	316,204	13.9	11.3	17.4	5,231.0	151.7	181.3	34.1	34.7	224.7	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	116,155					
1981	24,132	9,378	18,269	347,219	104,836	316,344	14.4	11.2	17.3	5,172.0	136.2	187.7	30.9	36.3	226.7	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	117,902					
1982	24,655	9,154	18,538	360,747	103,418	321,452	14.6	11.3	17.3	5,123.0	121.5	193.5	27.6	37.8	227.5	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	118,728					
1983	25,128	8,902	18,753	385,631	103,064	324,136	14.6	11.6	17.3	5,115.0	107.2	200.8	23.2	39.3	216.7	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	119,536					
1984	25,959	8,780	18,890	398,000	105,000	330,741	14.8	12.0	17.4	5,048.0	96.3	206.0	21.9	40.8	227.7	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	120,305					
1985	26,372	8,571	19,414	384,000	102,000	334,741	15.1	11.9	17.2	4,969.0	87.2	216.0	20.4	43.5	234.4	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	121,049					
1986	30,379	8,470	19,978	456,000	103,000	344,728	15.0	12.2	17.3	5,204.0	82.2	226.0	20.5	43.4	249.1	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	121,874					
1987	32,635	8,538	20,748	501,000	107,000	361,796	15.4	12.5	17.4	5,578.0	82.3	246.0	23.5	44.1	285.1	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	122,864					
1988	35,498	8,572	21,210	556,000	109,000	368,817	15.7	12.7	17.4	5,888.0	82.8	263.0	25.1	44.7	303.5	n/a	43.0	368	43.0	1,321.6	368	43.0	1,321.6	122,783					

Average annual growth rates (%)

Year	Pass. car	Bus pass.	Rail pass.	Pass. car	Bus pass.	Rail pass.	Pass. car	Bus pass.	Rail pass.	Pass. car	Bus pass.	Rail pass.	Pass. car	Bus pass.	Rail pass.	Pass. car	Bus pass.	Rail pass.	Pass. car	Bus pass.	Rail pass.	Pass. car	Bus pass.	Rail pass.	Pass. car	Bus pass.	Rail pass.	Pass. car	Bus pass.	Rail pass.	
1949-1975	21.3	8.0	2.9	25.4	10.0	4.4	3.4	1.9	1.4	10.7	0.5	13.1	1.2	2.2	0.7	-	0.7	25.1	9.6	13.6	1.2	2.2	0.7	-	0.7	25.1	9.6	13.6	1.2	2.2	0.7
1975-1988	5.1	-1.4	1.5	5.8	0.8	1.1	0.8	2.1	-0.3	2.3	-6.0	5.4	-4.6	3.0	1.5	0.2	0.0	5.1	0.7	0.9	0.7	5.1	0.7	0.9	0.7	5.1	0.7	0.9	0.7	5.1	0.7
1981-1988	4.9	-1.1	1.9	6.1	0.5	1.1	1.8	0.1	1.8	0.1	1.8	-6.0	4.3	-2.5	2.8	3.7	-0.2	4.3	3.5	0.7	0.2	4.3	3.5	0.7	0.2	4.3	3.5	0.7	0.2	4.3	3.5
1949-1988	15.7	4.8	2.4	18.5	6.9	3.3	2.5	2.0	0.8	7.9	-1.8	10.5	-0.8	2.4	1.0	-	0.5	18.0	6.5	9.2	1.0	-	-	-	0.5	18.0	6.5	9.2	1.0	-	-

Urban and Intercity Surface Passenger Travel Statistics, for Europe and Selected Countries, by Mode of Transportation, 1965-1988

	1965	1970	1975	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000	3001	3002	3003	3004	3005	3006	3007	3008	3009	3010	3011	3012	3013	3014	3015	3016	3017	3018	3019	3020	3021	3022	3023	3024	3025	3026	3027	3028	3029	3030	3031	3032	3033	3034	3035	3036	3037	3038	3039	3040	3041	3042	3043	3044	3045	3046	3047	3048	3049	3050	3051	3052	3053	3054	3055	3056	3057	3058	3059	3060	3061	3062	3063	3064	3065	3066	3067	3068	3069	3070	3071	3072	3073	3074	3075	3076	3077	3078	3079	3080	3081	3082	3083	3084	3085	3086	3087	3088	3089	3090	3091	3092	3093	3094	3095	3096	3097	3098	3099	3100	3101	3102	3103	3104	3105	3106	3107	3108	3109	3110	3111	3112	3113	3114	3115	3116	3117	3118	3119	3120	3121	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151	3152	3153	3154	3155	3156	3157	3158	3159	3160	3161	3162	3163	3164	3165	3166	3167	3168	3169	3170	3171	3172	3173	3174	3175	3176	3177	3178	3179	3180	3181	3182	3183	3184	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194	3195	3196	3197	3198	3199	3200	3201	3202	3203	3204	3205	3206	3207	3208	3209	3210	3211	3212	3213	3214	3215	3216	3217	3218	3219	3220	3221	3222	3223	3224	3225	3226	3227	3228	3229	3230	3231	3232	3233	3234	3235	3236	3237	3238	3239	3240	3241	3242	3243	3244	3245	3246	3247	3248	3249	3250	3251	3252	3253	3254	3255	3256
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Urban and Intercity Surface Passenger Travel Statistics, for Europe and Selected Countries, by Mode of Transportation, 1965-1988

	1965	1970	1975	1980	1983	1984	1985	1986	1987	1988	AAGR (%)		
6. Total land passenger-kilometres (rail+auto+bus) (millions)											1970-1980	1980-1988	1965-1988
Canada	217,320	272,464	333,047	389,776	353,689	359,757	366,387	366,500	379,782	403,697	3.6	-1.0	2.5
U.S.	2,721,644	3,297,851	3,669,987	3,926,649	4,054,391	4,193,645	4,321,641	4,467,513	4,669,065	4,894,091	1.8	2.2	2.4
Japan	397,273	602,518	682,779	753,262	792,831	819,101	834,741	903,729	969,796	1,033,817	2.3	3.1	4.0
Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belgium	49,495	66,143	74,809	81,414	81,192	82,012	82,896	83,477	86,710	89,521	2.1	0.4	2.5
Denmark	34,984	41,186	46,712	49,914	51,973	54,142	56,966	59,504	61,982	64,226	1.9	3.0	2.6
Finland	24,275	32,076	42,155	45,515	49,039	50,076	51,324	52,076	53,182	55,647	3.6	2.3	3.7
France	261,581	370,880	454,396	545,155	575,099	592,392	593,472	616,662	635,772	660,791	3.9	2.1	4.2
Germany	341,586	436,683	500,586	572,599	571,455	579,275	572,507	599,597	618,274	644,659	2.7	0.6	2.7
Italy	136,346	276,847	358,392	421,849	437,091	458,784	477,769	505,061	541,923	585,975	4.3	3.1	6.4
Netherlands	63,018	79,981	102,987	120,481	126,382	131,153	131,198	136,499	140,836	145,234	4.2	2.1	N/A
Norway	15,430	23,509	33,006	38,070	38,129	39,042	41,135	43,797	45,509	45,708	4.9	2.4	5.1
Spain	48,836	96,882	143,858	173,821	167,036	157,470	168,824	179,507	194,601	203,258	6.0	0.5	6.4
Sweden	56,190	65,959	78,715	80,998	84,089	86,590	87,403	90,963	94,815	96,589	2.1	2.0	2.3
Switzerland	37,279	47,877	56,621	69,101	73,206	76,461	75,777	80,423	84,673	89,224	3.7	2.2	N/A
U.K.	288,116	346,400	379,256	436,300	451,500	466,800	474,400	500,000	525,540	546,615	2.3	N/A	N/A

7. Shares of total land passenger-kilometres (%)

1. Rail

Canada	2.0	1.3	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.7			
U.S.	1.0	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4			
Japan	65.1	48.1	46.6	42.0	40.9	40.3	40.1	38.1	37.3	35.7			
Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			
Belgium	16.2	11.4	10.2	8.8	8.2	7.9	7.9	7.3	7.2	7.1			
Denmark	9.6	8.0	6.8	6.6	6.6	6.2	6.3	5.1	5.8	5.7			
Finland	8.4	6.7	7.4	7.1	6.8	6.5	6.3	5.1	5.8	5.7			
France	14.6	11.0	11.2	10.0	10.2	10.2	10.5	9.7	9.4	9.6			
Germany	11.6	8.8	7.7	7.1	6.8	6.7	7.5	6.9	6.3	6.4			
Italy	19.4	11.7	10.1	9.4	8.9	8.5	7.8	8.0	7.6	7.4			
Netherlands	12.2	10.0	8.3	7.4	7.0	6.7	6.9	6.5	6.7	6.7			
Norway	11.1	6.7	5.9	6.3	5.7	5.6	5.4	5.1	4.8	4.6			
Spain	28.5	15.5	12.3	8.5	9.7	10.5	10.1	9.3	8.5	8.3			
Sweden	9.4	6.9	7.3	6.8	7.9	7.7	7.8	7.0	6.6	6.4			
Switzerland	21.1	17.1	14.1	13.3	12.3	11.8	12.4	11.6	12.6	12.1			
U.K.	10.5	8.8	8.0	6.9	6.5	6.4	6.3	6.2	6.3	6.3			

2. Auto

Canada	95.2	96.1	96.7	96.6	96.6	96.3	96.4	96.4	96.6	96.7			
U.S.	96.2	97.3	97.6	97.5	97.7	97.8	97.9	97.9	98.0	98.0			
Japan	13.7	35.1	38.7	43.6	46.1	46.9	47.7	50.5	51.7	53.8			
Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			
Belgium	67.1	74.5	76.9	80.3	81.3	81.1	81.3	81.6	81.3	81.5			
Denmark	80.0	81.0	81.0	76.7	75.8	76.5	76.3	76.6	77.6	78.8			
Finland	67.1	73.9	74.0	74.5	75.7	76.3	77.0	78.3	78.1	78.9			
France	75.7	82.2	82.5	83.0	83.0	83.0	83.3	83.9	83.9	83.9			
Germany	76.8	80.1	80.6	81.5	81.9	82.6	83.1	84.2	85.1	85.4			
Italy	59.6	76.6	77.9	76.8	76.8	77.4	78.2	78.0	78.8	79.4			
Netherlands	73.4	78.4	82.5	84.5	85.4	85.7	85.2	85.9	86.0	86.3			
Norway	67.7	77.5	82.1	82.5	84.3	84.9	85.0	86.1	87.0	86.8			
Spain	48.6	62.9	69.0	75.3	71.6	71.0	71.0	71.7	71.9	73.2			
Sweden	83.1	84.7	84.3	82.3	81.7	82.0	81.9	83.1	84.0	84.5			
Switzerland	72.8	75.0	78.5	79.7	80.9	81.4	80.5	81.7	80.8	81.4			
U.K.	69.1	75.9	77.5	82.7	84.2	84.6	84.9	85.6	85.9	86.2			

3. Bus

Canada	2.8	2.6	2.4	2.6	2.6	2.8	2.8	2.9	2.7	2.5			
U.S.	2.7	2.2	2.0	2.0	1.8	1.8	1.7	1.7	1.5	1.6			
Japan	21.1	16.7	14.5	14.4	13.0	12.8	12.2	11.4	11.0	10.5			
Australia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			
Belgium	16.7	14.1	12.9	11.1	10.5	11.1	10.8	11.2	11.5	11.4			
Denmark	10.4	11.1	12.2	14.6	15.6	15.3	15.4	15.5	14.7	13.9			
Finland	24.4	19.4	18.6	18.5	17.5	17.2	16.8	16.5	16.2	15.5			
France	9.7	8.6	6.4	7.0	6.8	6.8	6.2	6.4	6.6	6.5			
Germany	11.5	11.1	11.7	11.5	11.3	10.7	9.4	8.9	8.8	8.3			
Italy	21.0	11.7	11.9	13.8	14.5	14.1	14.0	14.0	13.5	13.2			
Netherlands	14.4	11.6	9.3	8.1	7.6	7.6	8.0	7.6	7.3	7.0			
Norway	21.1	15.8	12.0	11.2	10.0	9.5	9.6	8.9	8.2	8.5			
Spain	23.0	21.6	18.7	16.2	18.7	18.4	18.9	19.0	19.5	18.4			
Sweden	7.5	8.3	8.3	9.0	10.3	10.3	10.3	9.9	9.5	9.1			
Switzerland	6.1	8.0	7.4	7.0	6.8	6.8	7.1	6.7	6.6	6.5			
U.K.	20.5	15.3	14.5	10.3	9.3	9.0	8.9	8.2	7.8	7.5			

Sources and notes to accompany Table N-3.3

1. Rail passengers:

- Canada: See page C-2.4 of this data book.
 United States: Frank A. Smith, *Transportation in America*, (Westport, CT: Eno Foundation, May 1990), p. 10.
 Japan: *Japan Statistical Yearbook*, various issues.
 Australia: Australian Bureau of Statistics, *Rail Transport, Australia*, Catalogue no. 9213.0.
 Europe: European Conference of Ministers of Transport, *Statistical Trends in Transport*, various issues.

2. Rail passenger-kilometres:

- Canada: See page C-2.4 of this data book.
 United States: Frank A. Smith, *Transportation in America*, (Westport, CT: Eno Foundation, May 1990), p. 9.
 Japan: *Japan Statistical Yearbook*, various issues.
 Europe: European Conference of Ministers of Transport, *Statistical Trends in Transport*, various issues.

3. Rail network:

- Canada: See page C-2.4 of this data book.
 United States: Frank A. Smith, *Transportation in America*, (Westport, CT: Eno Foundation, May 1990), p. 23.
 Japan: Japan Statistical Agency, *Historical Statistics of Japan*, vol. 2, chapter 8, Table 8-4.
 Australia: Australian Bureau of Statistics, *Rail Transport, Australia*, Catalogue no. 9213.0.
 Europe: European Conference of Ministers of Transport, *Statistical Trends in Transport*, various issues.

4. Car and light truck passenger-kilometres:

- Canada: See Table C-6.1 of this data book.
 United States: See Tables N-1.2 and N-1.3 of this data book.
 Japan: *Japan Statistical Yearbook*, various issues.
 Australia: Australia Bureau of Statistics, *Survey of Motor Vehicle Use, Australia, 30 September 1988*, Catalogue no. 9208.0, p. 9. Vehicle-km data from the source were then multiplied by 1.8 to derive the corresponding passenger-kilometre figure.
 Europe: European Conference of Ministers of Transport, *Statistical Trends in Transport*, various issues.

5. Coaches, buses, and trolley-buses passenger-kilometres:

- Canada: Intercity bus data for 1965 and 1970 are from Dominion Bureau of Statistics, *Passenger Bus Statistics*, Catalogue no. 53-215. Urban transit data for 1965 and 1970 are from D.B.S. *Urban Transit*, Catalogue no. 53-216. Passenger figures and vehicle-kms for 1975-1988 are from Statistics Canada, *Passenger Bus and Urban Transit Statistics*, Catalogue no. 53-215. Both Class 1-3 Intercity and Class 1-3 Urban Transit establishments are included. Passenger-km figures estimated on the basis of a 50% load factor (i.e. percentage of bus capacity filled) for intercity buses and a 25% load factor for urban transit. Subways and other urban rail vehicles are excluded.
 United States: U.S. Department of Transportation, *National Transportation Statistics Annual Report*, various issues. Some urban transit data have been taken from American Public Transit Association, *Transit Fact Book*, Washington, DC, 1988.
 Japan: *Japan Statistical Yearbook*, various issues.
 Europe: European Conference of Ministers of Transport, *Statistical Trends in Transport*, various issues.

Notes to accompany Table N-3.3

1. Data pertain to all types of passenger transportation including urban and commuter services.
2. Data on railways refer to operations on all principal and secondary networks and exclude urban railways.
3. The rail passenger total for the United Kingdom excludes passengers from local rail networks such as the London underground system.
4. Australian rail passenger data estimated for 1985-1986 by taking the average annual growth rate between 1984-1987 and multiplying by the previous year's observation.
5. U.S. data in miles converted to kilometres by the factor 1.609344.
6. The Australian passenger-kilometre time-series was created based on the data from the source cited above. Data for years 1979, 1982, 1985 and 1988 were given. The average annual growth rate between adjacent years was then computed and missing observations imputed in the same way as described in note 4.
7. Figures in boldface type are estimated.

Railway Passenger – Kilometres Travelled in Selected Countries, 1928–1988

(millions)

	Canada	United States	Japan	Belgium	France	Germany	Italy	Nether-lands	Sweden	United Kingdom
1928	5,055	51,045	24,879	6,270	27,130	42,193	8,144	–	2,221	–
1929	4,663	50,155	23,499	6,365	26,269	41,060	8,095	–	2,295	–
1930	3,899	43,253	22,769	6,522	29,308	37,152	8,072	–	2,435	–
1931	2,813	35,298	22,730	5,810	29,063	31,272	7,370	–	2,323	–
1932	2,311	27,354	24,873	5,157	25,708	25,799	6,527	–	2,262	–
1933	2,242	26,342	26,879	5,058	24,728	25,344	6,293	–	2,268	–
1934	2,483	29,079	28,788	4,873	23,473	29,193	6,991	–	2,480	–
1935	2,550	29,787	31,209	5,109	22,628	33,318	7,698	–	2,702	32,737
1936	2,778	36,146	34,507	5,635	23,374	36,855	8,579	–	2,890	33,297
1937	3,105	39,743	40,058	6,148	27,076	42,837	8,806	3,348	3,102	34,313
1938	2,870	34,854	50,589	5,965	22,050	48,463	11,064	3,423	3,281	32,415
1939	2,820	36,553	59,904	5,394	20,527	53,594	11,773	4,015	3,565	30,566
1940	3,503	38,328	68,069	2,803	17,098	–	13,548	4,236	4,495	34,898
1941	5,159	47,324	75,184	4,137	17,055	–	17,135	4,641	5,023	39,844
1942	8,030	86,498	93,033	5,721	23,199	–	21,932	6,222	5,743	45,491
1943	10,501	141,502	97,308	6,055	28,208	–	31,058	8,391	8,384	51,938
1944	11,061	153,955	97,453	3,097	14,955	–	19,148	5,847	6,580	51,583
1945	10,268	147,780	126,261	4,977	26,093	–	9,978	2,026	6,441	56,726
1946	7,481	104,212	133,737	6,776	31,460	–	17,105	6,177	6,405	47,043
1947	6,007	73,985	118,832	7,210	31,103	–	18,871	6,776	6,515	37,039
1948	5,596	66,344	104,440	7,088	30,810	–	21,481	6,839	6,579	34,213
1949	5,139	56,541	105,570	7,116	29,471	30,739	22,067	6,478	6,725	34,018
1950	4,532	51,161	118,464	7,047	26,401	30,264	19,942	6,228	6,637	32,472
1951	5,005	55,748	120,127	7,253	26,095	29,973	20,982	6,291	6,510	33,090
1952	5,071	54,771	125,046	7,546	28,580	29,493	21,513	6,392	6,335	32,925
1953	4,805	50,983	129,550	7,528	25,940	31,754	22,342	6,821	6,135	33,117
1954	4,608	47,170	136,112	7,562	26,570	33,207	21,457	7,061	6,139	33,333
1955	4,654	45,944	145,371	7,846	27,780	35,919	22,636	7,573	6,183	32,682
1956	4,679	45,409	152,117	8,333	30,760	39,747	24,315	7,687	6,237	34,010
1957	4,708	41,705	159,604	8,555	32,630	41,384	24,835	7,777	5,642	36,357
1958	4,001	37,490	170,303	9,057	32,310	39,718	28,869	7,628	5,312	35,647
1959	3,936	35,526	184,340	8,519	31,450	39,278	28,905	7,576	5,052	35,840
1960	3,643	34,253	197,015	8,578	31,670	38,402	30,723	7,821	5,160	34,676
1961	3,155	32,683	210,954	8,691	33,440	38,469	31,449	7,991	5,310	33,894
1962	3,249	32,068	227,449	8,959	35,770	38,415	31,465	7,878	5,218	31,749
1963	3,331	29,803	241,855	8,057	36,630	37,328	32,026	7,911	5,109	30,948
1964	4,315	29,404	255,384	8,065	37,800	37,378	30,617	7,854	5,248	31,984
1965	4,287	28,090	258,745	8,008	38,300	38,567	28,937	7,715	5,231	30,116
1966	4,166	27,620	270,460	7,783	38,400	38,483	29,874	7,603	5,022	29,697
1967	5,103	24,451	273,716	7,670	38,380	33,877	30,821	7,412	4,384	29,111
1968	4,230	21,098	275,324	7,330	35,900	34,985	31,313	7,355	4,603	33,426
1969	3,890	19,568	288,816	7,515	39,057	37,156	32,325	7,502	4,792	34,681
1970	3,657	17,284	290,040	7,567	41,080	38,129	32,457	8,011	4,693	35,576
1971	3,518	14,215	300,298	7,750	41,100	36,892	33,948	8,114	4,125	35,066
1972	3,288	13,776	312,928	7,510	43,093	39,638	35,400	8,039	4,470	35,540
1973	2,573	14,957	324,024	7,449	44,710	39,785	36,359	8,173	4,699	35,066
1974	3,023	16,635	323,800	7,641	46,880	40,568	37,880	8,589	5,480	30,889
1975	2,658	15,715	319,566	7,650	50,980	37,727	36,332	8,501	5,576	30,258
1976	2,942	15,688	312,296	7,565	50,078	36,451	39,118	8,218	5,617	28,500
1977	2,966	16,565	311,129	7,660	51,823	36,543	38,361	8,013	5,563	29,300
1978	3,200	16,452	312,460	7,136	53,504	36,798	39,211	8,146	5,557	30,700
1979	3,175	18,025	314,542	6,955	53,564	38,016	39,688	8,514	6,224	30,300
1980	3,280	17,695	316,204	6,963	54,496	38,862	39,587	8,910	6,998	29,700
1981	3,276	18,371	316,344	7,078	55,667	40,268	40,090	9,230	7,062	27,200
1982	2,640	16,966	321,452	6,879	56,854	40,840	39,542	9,378	6,381	29,500
1983	2,932	17,606	324,136	6,631	58,430	39,097	38,840	9,052	6,460	29,800
1984	2,915	17,864	330,101	6,444	60,278	39,575	39,045	8,997	6,483	29,700
1985	3,040	17,649	334,741	6,572	60,780	41,202	39,194	9,226	6,586	31,000
1986	2,831	18,884	344,729	6,069	59,862	41,397	40,500	9,919	6,363	32,300
1987	2,709	20,321	361,796	6,270	59,972	39,174	41,395	9,396	6,215	34,400
1988	2,989	20,812	368,817	6,348	63,291	40,959	43,343	9,664	6,289	33,200

Average annual growth rates (%)

1928–1988	–1.0	–1.7	4.6	–0.1	1.4	–0.0	2.8	–	1.8	–
1980–1988	–2.4	1.1	1.4	–2.3	1.6	1.1	0.4	0.0	–1.6	1.4

Sources: 1928–1984: United Nations, *Statistical Yearbook*, 1948, 1952, 1959, 1965, 1970, 1978, and 1985 editions.

1985–1988 for Europe: ECMT, *Statistical Trends in Transport 1965–1988*, (Paris: ECMT, 1992).

1985–1988 for Canada: Statistics Canada, *Rail in Canada 1989*, Catalogue no. 52–216, October 1991, p. 22.

1985–1989 for U.S.: F. Smith, *Transportation in America* (Westport, CT: Eno Foundation, September 1990

supplement to the eighth edition), p. 7.

Exceptions: Japan, 1928–1983: Japan Statistical Association, *Historical Statistics of Japan*, vol. 2, October 1987, sections 8–14 and 8–19.

Japan, 1984–1988: Statistics Bureau, *Japan Statistical Yearbook 1991*, August 1991, section 8–10.

Note: Statistics include short-length commuter as well as intercity travel.

OECD Road and Road Motor Vehicle Statistics, With GDP and Population Data, 1970-1987

1. Road network ('000 km)	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	AAGR (%)		
											1970-1980	1980-1987	1970-1987
Canada	830	872	914	928	930	930	930	930	930	930	1.0	0.3	0.7
United States	6,003	6,176	6,366	6,400	6,450	6,500	6,550	6,600	6,650	6,650	0.6	0.6	0.6
Japan	1,005	1,068	1,113	1,118	1,120	1,123	1,125	1,128	1,127	1,127	1.0	0.2	0.7
Australia	885	845	811	792	818	820	820	853	853	853	-0.9	0.7	-0.2
New Zealand	94	93	93	93	93	93	93	93	93	93	-0.0	-0.0	-0.0
Belgium	95	123	127	127	127	128	128	128	128	128	3.0	0.2	1.8
Denmark	63	66	69	69	70	70	70	70	70	70	0.9	0.3	0.7
Finland	72	74	75	75	75	76	76	76	76	76	0.4	0.3	0.3
France	793	802	803	804	804	804	805	805	805	805	0.1	0.0	0.1
Germany	441	466	482	485	487	487	490	491	493	494	0.9	0.3	0.7
Italy	284	291	295	297	298	300	301	302	305	305	0.4	0.5	0.4
Netherlands	76	86	93	93	94	96	97	98	99	99	2.0	1.0	1.6
Norway	72	77	82	83	83	84	85	86	86	87	1.2	0.9	1.1
Spain	139	145	151	153	154	154	150	152	152	151	0.8	0.0	0.5
Sweden	125	125	129	130	130	130	136	131	131	131	0.3	0.2	0.3
Switzerland	59	62	64	65	67	69	71	71	71	71	0.8	1.5	1.1
U.K.	323	330	342	342	343	344	347	348	350	352	0.5	0.5	0.5
EEC	2,381	2,486	2,545	2,556	2,566	2,572	2,572	2,578	2,585	2,588	0.7	0.2	0.5
OECD	11,692	12,050	12,370	12,418	12,512	12,568	12,636	12,723	12,780	12,784	0.6	0.5	0.5

2. Kilometres of road per 1,000 population

Canada	39.0	38.4	38.0	38.1	37.8	37.5	37.2	37.0	36.7	36.3	-0.3	-0.7	-0.4
United States	29.3	28.6	27.9	27.8	27.7	27.7	27.6	27.6	27.5	27.3	-0.5	-0.4	-0.4
Japan	9.7	9.6	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	-0.2	-0.5	-0.3
Australia	70.7	60.8	55.2	53.1	53.9	53.3	52.6	54.0	53.3	52.4	-2.5	-0.7	-1.7
New Zealand	33.3	30.0	29.7	29.4	29.2	28.8	28.4	28.4	28.4	28.1	-1.1	-0.8	-1.0
Belgium	9.8	12.6	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	2.8	0.2	1.7
Denmark	12.8	13.1	13.4	13.5	13.6	13.6	13.7	13.7	13.7	13.8	0.5	0.3	0.4
Finland	15.7	15.6	15.7	15.7	15.6	15.6	15.5	15.5	15.5	15.5	-0.0	-0.2	-0.1
France	15.6	15.2	14.9	14.8	14.8	14.7	14.6	14.6	14.5	14.5	-0.5	-0.4	-0.4
Germany	7.3	7.5	7.8	7.9	7.9	7.9	8.0	8.1	8.1	8.1	0.8	0.4	0.6
Italy	5.4	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.4	-0.2	0.2	-0.0
Netherlands	5.8	6.3	6.5	6.5	6.6	6.7	6.7	6.8	6.8	6.7	1.2	0.4	0.9
Norway	18.6	19.2	20.0	20.1	20.3	20.3	20.4	20.7	20.7	20.7	0.7	0.5	0.6
Spain	4.1	4.1	4.0	4.0	4.1	4.0	3.9	3.9	3.9	3.9	-0.3	-0.5	-0.4
Sweden	15.6	15.2	15.5	15.6	15.6	15.6	16.4	15.7	15.6	15.6	-0.0	0.1	-0.0
Switzerland	9.4	9.6	10.0	10.1	10.3	10.6	10.9	10.8	10.7	10.7	0.6	1.0	0.8
U.K.	5.8	5.9	6.0	6.1	6.1	6.1	6.1	6.2	6.2	6.2	0.4	0.4	0.4
EEC	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	0.2	-0.0	0.1
OECD	16.4	16.1	15.9	15.8	15.8	15.8	15.8	15.8	15.7	15.6	-0.3	-0.2	-0.3

OECD Road and Road Motor Vehicle Statistics, With GDP and Population Data, 1970-1987

3. Motor vehicles in use ('000s)	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	AAGR (%)		
											1970-1980-1970-		
											1980	1987	1987
Canada	8,083	11,028	13,211	13,392	13,554	13,717	13,880	14,267	14,689	14,903	5.0	1.7	3.7
United States	108,418	132,949	155,796	158,286	159,643	163,749	166,249	171,654	176,191	179,625	3.7	2.1	3.0
Japan	17,582	28,091	37,856	39,621	41,336	42,932	44,524	46,157	47,972	49,908	8.0	4.0	6.3
Australia	4,784	6,214	7,263	7,566	7,965	8,188	8,432	8,734	8,892	9,164	4.3	3.4	3.9
New Zealand	1,044	1,349	1,568	1,605	1,647	1,688	1,765	1,802	1,871	1,976	4.2	3.4	3.8
Belgium	2,327	2,906	3,477	3,510	3,535	3,570	3,611	3,662	3,676	3,775	4.1	1.2	2.9
Denmark	1,329	1,529	1,650	1,617	1,602	1,635	1,693	1,768	1,841	1,881	2.2	1.9	2.1
Finland	828	1,140	1,393	1,453	1,533	1,598	1,669	1,747	1,829	1,920	5.3	4.7	5.1
France	14,395	17,932	21,870	22,466	23,190	23,699	23,973	24,933	25,460	26,052	4.3	2.5	3.6
Germany	15,016	19,018	24,539	25,108	25,467	25,929	26,566	27,195	28,282	29,284	5.0	2.6	4.0
Italy	11,120	16,253	19,115	20,151	21,258	22,153	22,681	23,324	23,856	24,769	5.6	3.8	4.8
Netherlands	2,777	3,741	4,889	4,981	5,017	5,118	5,224	5,330	5,414	5,625	5.8	2.0	4.2
Norway	836	1,101	1,398	1,451	1,519	1,578	1,644	1,764	1,875	1,926	5.3	4.7	5.0
Spain	3,119	5,860	8,962	9,410	9,888	10,318	10,398	10,884	11,406	12,192	11.1	4.5	8.3
Sweden	2,447	2,931	3,077	3,093	3,143	3,222	3,305	3,383	3,497	3,626	2.3	2.4	2.3
Switzerland	1,496	1,943	2,428	2,573	2,663	2,722	2,756	2,829	2,897	2,961	5.0	2.9	4.1
U.K.	13,571	15,995	17,358	17,522	17,931	18,309	18,909	20,224	20,899	21,490	2.5	3.1	2.7
EEC	65,218	85,729	105,654	108,893	112,205	115,295	117,855	122,389	126,033	130,507	4.9	3.1	4.2
OECD	212,418	275,112	333,368	341,784	349,171	358,784	366,333	379,144	390,374	401,306	4.6	2.7	3.8

4. Motor vehicles per 1,000 population

Canada	380	486	549	550	551	553	556	567	579	582	3.8	0.8	2.5
United States	529	616	684	688	687	697	701	717	729	736	2.6	1.1	2.0
Japan	170	252	324	337	349	360	371	382	395	409	6.7	3.4	5.3
Australia	383	447	494	507	525	532	541	553	555	563	2.6	1.9	2.3
New Zealand	370	437	499	508	517	523	542	551	571	597	3.0	2.6	2.9
Belgium	241	297	353	356	359	362	366	371	373	384	3.9	1.2	2.8
Denmark	270	302	322	316	313	320	331	346	360	367	1.8	1.9	1.8
Finland	180	242	291	303	318	329	342	356	372	389	5.0	4.2	4.7
France	284	340	406	415	426	433	436	452	460	468	3.7	2.1	3.0
Germany	248	308	399	407	413	422	434	446	463	479	4.9	2.6	4.0
Italy	211	297	343	361	394	394	403	413	422	437	5.0	3.5	4.4
Netherlands	213	274	346	350	351	356	362	368	372	384	5.0	1.5	3.5
Norway	216	275	342	354	369	382	397	425	450	460	4.7	4.3	4.6
Spain	93	165	240	249	260	271	271	283	295	314	10.0	3.9	7.4
Sweden	304	358	370	372	378	387	396	405	418	432	2.0	2.2	2.1
Switzerland	239	303	380	400	412	420	424	433	441	447	4.8	2.3	3.8
U.K.	244	285	318	311	325	335	348	368	377	388	2.4	2.9	2.6
EEC	216	276	334	343	352	361	368	382	392	405	4.5	2.8	3.8
OECD	298	367	428	435	441	450	457	470	480	490	3.7	2.0	3.0

OECD Road and Road Motor Vehicle Statistics, With GDP and Population Data, 1970-1987

	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	AAGR (%)			
											1970-1980-1970-			
											1970	1980	1987	
5. Persons per motor vehicle														
Canada	2.6	2.1	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	-3.6	-0.8	-2.5	
United States	1.9	1.6	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	-2.5	-1.0	-1.9	
Japan	5.9	4.0	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	-6.3	-3.3	-5.0	
Australia	2.6	2.2	2.0	2.0	1.9	1.9	1.8	1.8	1.8	1.8	-2.5	-1.9	-2.3	
New Zealand	2.7	2.3	2.0	2.0	1.9	1.9	1.8	1.8	1.8	1.7	-2.8	-2.5	-2.8	
Belgium	4.1	3.4	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	-3.7	-1.2	-2.7	
Denmark	3.7	3.3	3.1	3.2	3.2	3.1	3.0	2.9	2.8	2.7	-1.8	-1.8	-1.8	
Finland	4.1	3.6	3.4	3.3	3.1	3.0	2.9	2.8	2.7	2.6	-4.7	-4.0	-4.4	
France	3.5	2.9	2.5	2.3	2.3	2.3	2.3	2.2	2.2	2.1	-3.5	-2.0	-2.9	
Germany	4.0	3.3	2.5	2.5	2.4	2.4	2.3	2.2	2.2	2.1	-4.7	-2.6	-3.8	
Italy	4.7	3.4	2.9	2.8	2.6	2.5	2.5	2.4	2.4	2.3	-4.8	-3.4	-4.2	
Netherlands	4.7	3.7	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.6	-4.7	-1.5	-3.4	
Norway	4.6	3.6	2.9	2.8	2.7	2.6	2.5	2.4	2.2	2.2	-4.5	-4.1	-4.4	
Spain	10.8	6.1	4.2	4.0	3.8	3.7	3.7	3.5	3.4	3.2	-9.1	-3.8	-6.9	
Sweden	3.3	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.4	2.3	-1.9	-2.2	-2.0	
Switzerland	4.2	3.3	2.6	2.5	2.4	2.4	2.4	2.3	2.3	2.2	-4.6	-2.3	-3.6	
U.K.	4.1	3.5	3.2	3.2	3.1	3.1	3.0	2.8	2.7	2.6	-2.3	-2.9	-2.5	
EEC	4.6	3.6	3.0	2.9	2.8	2.8	2.7	2.6	2.6	2.5	-4.3	-2.7	-3.6	
OECD	3.4	2.7	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.0	-3.6	-1.9	-2.9	

6. Kilometres of road per 1,000 motor vehicles.

Canada	102.7	79.0	69.2	69.3	68.6	67.8	67.0	65.2	63.3	62.4	-3.9	-1.5	-2.9
United States	55.4	46.5	40.9	40.4	40.4	39.7	39.4	38.4	37.7	37.0	-3.0	-1.4	-2.3
Japan	57.1	38.0	29.4	28.2	27.1	26.2	25.3	24.4	23.5	22.6	-6.4	-3.7	-5.3
Australia	184.9	136.0	111.6	104.7	102.7	100.1	97.2	97.7	95.9	93.1	-4.9	-2.6	-4.0
New Zealand	89.8	68.6	59.6	57.9	56.5	55.0	52.5	51.6	49.7	47.1	-4.0	-3.3	-3.7
Belgium	40.7	42.5	36.5	36.1	35.9	35.8	35.4	34.9	34.8	34.0	-1.1	-1.0	-1.1
Denmark	47.3	43.2	41.8	42.9	43.5	42.7	41.3	39.6	38.1	37.5	-1.2	-1.5	-1.4
Finland	87.4	64.6	53.8	51.8	49.2	47.4	45.4	43.6	41.7	39.8	-4.7	-4.2	-4.5
France	55.1	44.7	36.7	35.8	34.7	33.9	33.6	32.3	31.6	30.9	-4.0	-2.4	-3.3
Germany	29.3	24.5	19.7	19.3	19.1	18.8	18.4	18.1	17.4	16.9	-3.9	-2.2	-3.2
Italy	25.6	17.9	15.4	14.7	14.0	13.5	13.3	12.9	12.8	12.3	-4.9	-3.2	-4.2
Netherlands	27.3	23.1	18.9	18.6	18.7	18.6	18.3	17.6	17.6	17.6	-3.6	-1.0	-2.6
Norway	86.5	70.0	58.4	56.9	54.9	53.2	51.5	48.7	45.9	45.1	-3.8	-3.6	-3.8
Spain	44.7	16.8	16.2	16.2	15.6	14.9	14.5	13.9	13.3	12.4	-9.3	-4.3	-7.3
Sweden	51.2	42.6	41.9	41.2	41.2	40.3	41.3	38.6	37.4	36.1	-2.0	-2.1	-2.0
Switzerland	39.6	31.7	26.4	25.3	25.0	25.3	25.7	25.0	24.4	24.0	-4.0	-1.3	-2.9
U.K.	23.8	19.6	19.6	19.1	19.1	18.8	18.3	17.2	16.8	16.4	-1.9	-2.5	-2.2
EEC	36.5	29.0	24.1	23.5	22.9	22.3	21.8	21.1	20.5	19.8	-4.1	-2.7	-3.5
OECD	55.0	43.8	37.1	36.3	35.8	35.0	34.5	33.6	32.7	31.9	-3.9	-2.2	-3.2

OECD Road and Road Motor Vehicle Statistics, With GDP and Population Data, 1970-1987

7. Passenger cars in use ('000s)	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	AAGR (%)		
											1970-1980	1980-1987	1970-1987
Canada	6,602	8,870	10,256	10,199	10,530	10,732	10,781	11,118	11,477	11,773	4.5	2.0	3.5
United States	89,244	106,706	121,601	123,098	123,702	126,444	128,158	131,864	135,431	137,736	3.1	1.8	2.6
Japan	8,779	17,236	23,660	24,612	25,539	26,386	27,144	27,845	28,654	29,748	10.4	3.3	7.4
Australia	5,801	5,016	5,801	6,021	6,298	6,470	6,633	6,845	6,985	7,183	4.2	3.1	3.8
New Zealand	868	1,138	1,307	1,332	1,367	1,401	1,471	1,500	1,553	1,619	4.2	3.1	3.7
Belgium	2,080	2,614	3,159	3,207	3,231	3,283	3,300	3,343	3,379	3,457	4.4	1.3	3.1
Denmark	1,077	1,295	1,390	1,367	1,358	1,352	1,440	1,501	1,558	1,594	2.6	2.0	2.3
Finland	712	996	1,226	1,279	1,352	1,411	1,474	1,546	1,620	1,699	5.6	4.8	5.2
France	12,280	15,555	19,250	19,750	20,300	20,600	20,800	21,090	21,500	21,970	4.6	1.9	3.5
Germany	13,941	17,898	23,192	23,730	24,105	24,486	25,164	25,872	26,917	27,908	5.2	2.7	4.2
Italy	10,191	15,060	17,686	18,603	19,616	20,389	20,888	21,500	22,000	22,719	5.7	3.6	4.8
Netherlands	2,465	3,399	4,515	4,594	4,630	4,728	4,818	4,901	4,950	5,118	6.2	1.8	4.4
Norway	694	954	1,234	1,279	1,338	1,383	1,430	1,514	1,592	1,623	5.9	4.0	5.1
Spain	2,378	4,807	7,557	7,943	8,354	8,714	8,874	9,274	9,643	10,319	12.3	4.6	9.0
Sweden	2,288	2,760	2,883	2,893	2,936	3,007	3,081	3,151	3,254	3,367	2.3	2.2	2.3
Switzerland	1,380	1,794	2,247	2,395	2,475	2,521	2,552	2,617	2,679	2,733	5.0	2.8	4.1
U.K.	11,802	14,061	15,438	15,633	16,075	16,612	17,313	18,575	19,176	19,799	2.7	3.6	3.1
EEC	57,459	76,695	95,196	97,993	100,944	103,601	106,207	109,866	113,034	116,947	5.2	3.0	4.3
OECD	173,236	224,354	268,484	274,281	279,746	286,921	292,419	301,484	310,082	318,007	4.5	2.4	3.6

8. Passenger cars in use per 1,000 population

Canada	310	391	427	419	428	433	432	442	453	459	3.2	1.1	2.3
United States	435	494	534	535	532	539	541	551	561	565	2.1	0.8	1.5
Japan	85	155	203	209	216	221	226	231	236	244	9.1	2.7	6.4
Australia	307	361	395	403	415	420	426	434	436	442	2.6	1.6	2.2
New Zealand	308	369	416	422	429	434	452	458	474	489	3.1	2.4	2.8
Belgium	213	267	321	325	328	331	335	339	343	352	4.2	1.3	3.0
Denmark	219	256	271	267	285	282	282	294	304	311	2.2	2.0	2.1
Finland	155	211	257	266	280	291	302	315	329	344	5.2	4.3	4.8
France	242	295	357	365	373	376	379	382	388	395	4.0	1.4	2.9
Germany	230	289	377	385	391	399	411	424	441	456	5.1	2.8	4.1
Italy	193	275	318	334	350	363	379	381	389	401	5.1	3.4	4.4
Netherlands	189	249	319	322	323	329	334	338	340	349	5.4	1.3	3.7
Norway	179	238	302	312	325	335	345	355	362	368	5.4	3.6	4.7
Spain	71	135	202	210	220	228	231	241	249	266	11.1	4.0	8.1
Sweden	284	337	347	348	353	361	370	377	389	401	2.0	2.1	2.0
Switzerland	220	280	352	373	382	389	392	401	408	413	4.8	2.3	3.8
U.K.	212	250	274	278	285	295	306	328	338	348	2.6	3.5	3.0
EEC	190	247	301	308	317	324	332	342	351	363	4.7	2.7	3.9
OECD	243	299	345	349	354	360	365	373	381	388	3.6	1.7	2.8

OECD Road and Road Motor Vehicle Statistics, With GDP and Population Data, 1970-1987

9. Persons per passenger car	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	AAGR (%)		
											1970-1980	1980-1987	1970-1987
Canada	3.2	2.6	2.3	2.4	2.3	2.3	2.3	2.3	2.2	2.2	-3.1	-1.1	-2.3
United States	2.3	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	-2.0	-0.8	-1.5
Japan	11.8	6.5	4.9	4.8	4.6	4.5	4.4	4.3	4.2	4.1	-8.4	-2.6	-6.0
Australia	3.3	2.8	2.5	2.5	2.4	2.4	2.3	2.3	2.3	2.3	-2.5	-1.6	-2.1
New Zealand	3.2	2.7	2.4	2.4	2.3	2.3	2.2	2.2	2.1	2.0	-3.0	-2.3	-2.7
Belgium	4.7	3.7	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.8	-4.0	-1.3	-2.9
Denmark	4.6	3.9	3.7	3.7	3.8	3.7	3.6	3.4	3.3	3.2	-2.1	-1.9	-2.1
Finland	6.5	4.7	3.9	3.8	3.6	3.4	3.3	3.2	3.0	2.9	-4.9	-4.1	-4.6
France	4.1	3.4	2.8	2.7	2.7	2.7	2.6	2.6	2.6	2.5	-3.8	-1.4	-2.8
Germany	4.4	3.5	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	-4.8	-2.7	-3.9
Italy	5.2	3.6	3.1	3.0	2.9	2.8	2.7	2.6	2.6	2.5	-4.9	-3.3	-4.2
Netherlands	5.3	4.0	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	-5.1	-1.3	-3.5
Norway	5.6	4.2	3.3	3.2	3.1	3.0	2.9	2.7	2.6	2.6	-5.1	-3.5	-4.4
Spain	14.1	7.4	4.9	4.8	4.5	4.4	4.3	4.2	4.0	3.8	-10.0	-3.8	-7.5
Sweden	3.5	3.0	2.9	2.8	2.8	2.7	2.6	2.6	2.6	2.5	-2.0	-2.0	-2.0
Switzerland	4.5	3.6	2.8	2.7	2.6	2.6	2.5	2.5	2.5	2.4	-4.6	-2.3	-3.6
U.K.	4.7	4.0	3.6	3.6	3.5	3.4	3.3	3.0	3.0	2.9	-2.5	-3.3	-2.9
EEC	5.3	4.1	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.8	-4.5	-2.6	-3.7
OECD	4.1	3.3	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.6	-3.4	-1.7	-2.7

10. Traffic volumes for all motor vehicles (billion vehicle-kilometres)

Canada	126	171	206	202	204	204	202	201	207	211	5.0	0.4	3.1
United States	1,787	2,104	2,419	2,425	2,538	2,634	2,745	2,840	2,943	3,001	3.1	3.1	3.1
Japan	226	286	389	395	403	409	416	445	462	489	5.6	3.3	4.6
Australia	79	98	115	119	125	129	133	138	140	144	3.8	3.3	3.6
New Zealand	13	16	17	17	18	19	18	19	19	20	2.3	3.1	2.6
Belgium	33	38	46	46	47	47	47	47	48	49	3.2	1.0	2.3
Denmark	23	25	26	27	26	27	28	30	31	32	1.3	3.2	2.1
Finland	19	24	27	27	28	29	30	31	32	34	3.3	3.6	3.4
France	208	261	298	309	313	318	321	328	345	379	3.7	3.5	3.6
Germany	234	280	341	327	338	341	351	351	375	396	3.8	2.2	3.1
Italy	146	185	227	235	249	240	248	258	265	274	4.5	2.8	3.8
Netherlands	48	56	70	72	69	72	74	74	79	83	3.8	2.4	3.2
Norway	11	15	17	17	17	18	18	20	21	21	4.5	3.6	4.1
Spain	35	56	75	72	73	74	76	75	83	86	7.8	2.0	5.4
Sweden	35	45	44	44	45	46	47	48	51	53	2.3	2.5	2.4
Switzerland	25	31	37	38	40	41	41	42	43	44	3.9	2.7	3.4
U.K.	179	206	242	245	252	258	268	274	285	311	3.1	3.7	3.3
EEC	938	1,149	1,386	1,397	1,435	1,447	1,488	1,517	1,592	1,695	4.0	2.9	3.5
OECD	3,288	3,980	4,707	4,733	4,906	5,030	5,196	5,358	5,571	5,776	3.7	3.0	3.4

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	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	AAGR (%)		
											1970-1980	1980-1987	1970-1987

11. Annual kilometres driven in motor vehicles per capita

Canada	5,912	7,552	8,548	8,290	8,307	8,234	8,103	7,987	8,157	8,222	3.8	-0.6	2.0
United States	8,716	9,742	10,619	10,539	10,916	11,219	11,583	11,869	12,179	12,303	2.0	2.1	2.0
Japan	2,179	2,567	3,331	3,355	3,399	3,429	3,462	3,682	3,800	4,001	4.3	2.7	3.6
Australia	6,316	7,054	7,805	7,961	8,246	8,361	8,518	8,709	8,734	8,866	2.1	1.8	2.0
New Zealand	4,681	5,086	5,248	5,290	5,529	5,890	5,586	5,685	5,888	6,165	1.2	2.3	1.6
Belgium	3,450	3,910	4,651	4,699	4,748	4,718	4,749	4,778	4,847	4,983	3.0	1.0	2.2
Denmark	4,666	5,000	5,134	5,193	5,138	5,319	5,536	5,808	6,093	6,378	1.0	3.1	1.9
Finland	4,190	5,178	5,608	5,688	5,842	5,993	6,125	6,365	6,588	6,955	3.0	3.1	3.0
France	4,097	4,947	5,531	5,703	5,745	5,810	5,842	5,947	6,228	6,813	3.0	3.0	3.0
Germany	3,861	4,527	5,536	5,293	5,480	5,552	5,734	5,753	6,143	6,472	3.7	2.3	3.1
Italy	2,774	3,371	4,071	4,217	4,441	4,259	4,400	4,563	4,684	4,839	3.9	2.5	3.3
Netherlands	3,704	4,076	4,968	4,906	4,814	4,991	5,144	5,134	5,414	5,646	3.0	1.8	2.5
Norway	2,758	3,669	4,063	4,049	4,180	4,264	4,396	4,695	4,941	5,063	3.9	3.2	3.6
Spain	1,043	1,563	1,995	1,907	1,928	1,936	1,977	1,950	2,136	2,212	6.7	1.5	4.5
Sweden	4,364	5,078	5,318	5,325	5,369	5,523	5,626	5,749	6,057	6,263	2.0	2.4	2.1
Switzerland	3,987	4,763	5,764	5,973	6,123	6,263	6,334	6,475	6,588	6,708	3.8	2.2	3.1
U.K.	3,216	3,665	4,292	4,349	4,480	4,575	4,750	4,839	5,021	5,458	2.9	3.5	3.2
EEC	3,104	3,693	4,378	4,394	4,501	4,529	4,650	4,727	4,951	5,257	3.5	2.6	3.1
OECD	4,608	5,309	6,041	6,026	6,200	6,312	6,479	6,636	6,853	7,056	2.7	2.2	2.5

12. Annual kilometres driven per motor vehicle

Canada	15,576	15,542	15,555	15,069	15,066	14,879	14,582	14,088	14,079	14,138	-0.0	-1.4	-0.6
United States	16,485	15,826	15,524	15,323	15,899	16,086	16,513	16,545	16,701	16,707	-0.6	1.1	0.1
Japan	12,854	10,192	10,278	9,962	9,740	9,524	9,332	9,632	9,624	9,788	-2.2	-0.7	-1.6
Australia	16,513	15,771	15,792	15,702	15,719	15,718	15,738	15,743	15,733	15,735	-0.4	-0.1	-0.3
New Zealand	12,644	11,638	10,523	10,405	10,686	11,256	10,312	10,322	10,315	10,324	-1.8	-0.3	-1.2
Belgium	14,310	13,172	13,191	13,239	13,239	13,025	12,960	12,862	13,003	12,980	-0.8	-0.2	-0.6
Denmark	17,306	16,547	15,939	16,450	16,417	16,636	16,716	16,799	16,947	17,384	-0.8	1.2	0.0
Finland	23,309	21,404	19,239	18,789	18,395	18,210	17,915	17,859	17,715	17,865	-1.9	-1.1	-1.6
France	14,449	14,538	13,626	13,754	13,497	13,418	13,390	13,159	13,551	14,548	-0.6	0.9	0.0
Germany	15,597	14,718	13,888	13,004	13,264	13,151	13,205	12,910	13,263	13,526	-1.2	-0.4	-0.8
Italy	13,165	11,358	11,855	11,672	11,699	10,811	10,930	11,053	11,108	11,070	-1.0	-1.0	-1.0
Netherlands	17,393	14,889	14,379	14,033	13,733	14,009	14,204	13,959	14,573	14,720	-1.9	0.3	-1.0
Norway	12,799	13,351	11,874	11,440	11,323	11,153	11,071	11,054	10,987	11,007	-0.7	-1.1	-0.9
Spain	11,254	9,471	8,324	7,651	7,403	7,162	7,290	6,900	7,242	7,046	-3.0	-2.4	-2.7
Sweden	14,344	14,193	14,365	14,323	14,222	14,277	14,191	14,189	14,498	14,506	0.0	0.1	0.1
Switzerland	16,711	15,697	15,157	14,924	14,870	14,916	14,949	14,952	14,946	14,995	-1.0	-0.2	-0.6
U.K.	13,183	12,879	13,924	13,994	14,076	14,086	14,189	13,548	13,637	14,458	0.5	0.5	0.5
EEC	14,384	13,398	13,121	12,827	12,789	12,550	12,628	12,391	12,634	12,991	-0.9	-0.1	-0.6
OECD	15,480	14,466	14,119	13,849	14,050	14,019	14,165	14,132	14,271	14,393	-0.9	0.3	-0.4

OECD Road and Road Motor Vehicle Statistics, With GDP and Population Data, 1970-1987

	13. Passenger car volumes (billion vehicle-kilometres)											AAGR (%)			
	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1970-1980	1980-1987	1970-1987		
Canada	101	135	152	146	148	148	145	143	148	150	4.2	-0.2	2.4		
United States	1,434	1,654	1,789	1,793	1,824	1,966	2,020	2,028	2,097	2,133	2.2	2.5	2.4		
Japan	121	176	242	247	256	260	265	291	301	309	7.2	3.6	5.7		
Australia	63	78	87	90	95	97	100	103	105	108	3.2	3.1	3.2		
New Zealand	10	12	13	13	14	15	14	14	15	15	2.1	2.7	2.4		
Belgium	29	34	41	42	42	42	42	42	43	44	3.5	0.9	2.4		
Denmark	20	21	22	22	21	22	23	24	25	27	1.0	2.9	1.8		
Finland	14	20	22	23	23	24	25	26	27	29	4.8	3.7	4.3		
France	165	211	240	246	253	255	256	262	275	295	3.8	3.0	3.5		
Germany	201	245	297	283	294	304	314	313	336	357	4.0	2.6	3.4		
Italy	123	159	191	198	209	199	205	214	219	226	4.5	2.5	3.7		
Netherlands	38	50	61	61	60	63	65	65	68	71	5.1	2.1	3.8		
Norway	9	12	14	15	15	15	16	17	18	18	5.0	3.2	4.3		
Spain	25	40	53	54	55	56	57	56	62	64	8.0	2.8	5.8		
Sweden	32	39	42	42	42	43	44	45	47	49	2.6	2.4	2.5		
Switzerland	21	26	32	33	34	35	35	36	37	38	4.0	2.5	3.4		
U.K.	141	165	197	201	209	213	222	228	236	257	3.4	3.8	3.6		
EEC	761	955	1,147	1,152	1,189	1,204	1,236	1,259	1,320	1,399	4.2	2.9	3.7		
OECD	2,584	3,137	3,574	3,588	3,676	3,842	3,937	4,000	4,154	4,290	3.3	2.6	3.0		

14. Annual kilometres driven in passenger cars per capita

Canada	4,742	5,939	6,322	5,998	6,012	5,955	5,817	5,682	5,822	5,861	2.9	-1.1	1.3
United States	6,992	7,659	7,857	7,791	7,846	8,373	8,522	8,476	8,680	8,745	1.2	1.5	1.3
Japan	1,163	1,578	2,068	2,101	2,161	2,178	2,209	2,413	2,474	2,533	5.9	2.9	4.7
Australia	5,053	5,614	5,920	6,051	6,224	6,302	6,387	6,505	6,543	6,622	1.6	1.6	1.6
New Zealand	3,652	3,920	4,039	4,023	4,241	4,495	4,266	4,340	4,484	4,624	1.0	1.9	1.4
Belgium	2,995	3,420	4,154	4,222	4,221	4,221	4,231	4,271	4,320	4,423	3.3	0.9	2.3
Denmark	4,017	4,229	4,255	4,198	4,141	4,302	4,519	4,732	4,882	5,208	0.6	2.9	1.5
Finland	3,018	4,223	4,645	4,708	4,848	4,984	5,100	5,304	5,449	5,799	4.4	3.2	3.9
France	3,240	4,000	4,454	4,540	4,644	4,659	4,659	4,749	4,964	5,303	3.2	2.5	2.9
Germany	3,316	3,964	4,631	4,583	4,776	4,956	5,133	5,136	5,506	5,832	3.8	2.7	3.4
Italy	2,321	2,898	3,425	3,541	3,724	3,544	3,644	3,779	3,873	3,994	4.0	2.2	3.2
Netherlands	2,876	3,622	4,339	4,282	4,213	4,392	4,527	4,486	4,673	4,855	4.2	1.6	3.1
Norway	2,269	3,045	3,524	3,537	3,670	3,731	3,816	4,021	4,222	4,275	4.5	2.8	3.8
Spain	731	1,135	1,420	1,428	1,438	1,461	1,476	1,462	1,601	1,658	6.9	2.2	4.9
Sweden	4,003	4,736	4,993	4,988	5,033	5,127	5,290	5,329	5,651	5,823	2.2	2.2	2.2
Switzerland	3,413	4,076	4,980	5,180	5,288	5,384	5,427	5,526	5,629	5,696	3.9	1.9	3.1
U.K.	2,533	2,942	3,504	3,572	3,706	3,782	3,926	4,027	4,158	4,514	3.3	3.7	3.5
EEC	2,517	3,069	3,621	3,623	3,731	3,768	3,860	3,925	4,104	4,338	3.7	2.6	3.3
OECD	3,621	4,184	4,586	4,568	4,645	4,822	4,909	4,954	5,110	5,240	2.4	1.9	2.2

OECD Road and Road Motor Vehicle Statistics, With GDP and Population Data, 1970-1987

	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	AAGR (%)		
	15. Annual kilometres driven per passenger car										1970-1980	1980-1987	1970-1987
											1980	1987	1987
Canada	15,298	15,197	14,821	14,315	14,036	13,753	13,477	12,862	12,861	12,759	-0.3	-2.1	-1.1
United States	16,065	15,502	14,715	14,566	14,748	15,548	15,760	15,381	15,486	15,486	-0.9	0.7	-0.2
Japan	13,737	10,211	10,207	10,044	10,024	9,842	9,766	10,465	10,491	10,397	-2.9	0.3	-1.6
Australia	16,480	15,550	14,997	14,998	15,005	14,992	15,001	15,004	15,004	14,994	-0.9	-0.0	-0.6
New Zealand	11,866	10,633	9,717	9,535	9,876	10,350	9,449	9,467	9,466	9,450	-2.0	-0.4	-1.3
Belgium	14,029	12,816	12,947	12,972	12,875	12,749	12,636	12,593	12,607	12,583	-0.8	-0.4	-0.6
Denmark	18,384	16,525	15,683	15,728	15,611	15,827	16,042	16,123	16,046	16,750	-1.6	0.9	-0.5
Finland	19,522	19,980	18,108	17,670	17,308	17,151	16,893	16,818	16,543	16,833	-0.7	-1.0	-0.9
France	13,396	13,552	12,468	12,456	12,463	12,379	12,308	12,423	12,791	13,427	-0.7	1.1	0.0
Germany	14,425	13,694	12,823	11,913	12,213	12,432	12,478	12,113	12,490	12,788	-1.2	-0.0	-0.7
Italy	12,020	10,538	10,777	10,617	10,629	9,775	9,829	9,930	9,959	9,961	-1.1	-1.1	-1.1
Netherlands	15,213	14,563	13,599	13,278	13,024	13,346	13,553	13,263	13,758	13,912	-1.1	0.3	-0.5
Norway	12,680	12,788	11,669	11,337	11,286	11,135	11,049	11,030	11,055	11,029	-0.8	-0.8	-0.8
Spain	10,345	8,384	7,027	6,786	6,536	6,403	6,378	6,071	6,419	6,241	-3.8	-1.7	-2.9
Sweden	14,073	14,058	14,395	14,345	14,271	14,200	14,314	14,123	14,536	14,523	0.2	0.1	0.2
Switzerland	15,507	14,548	14,152	13,904	13,829	13,844	13,832	13,794	13,811	13,794	-0.9	-0.4	-0.7
U.K.	11,939	11,763	12,780	12,883	12,989	12,834	12,811	12,275	12,307	12,980	0.7	0.2	0.5
EEC	13,236	12,445	12,045	11,755	11,783	11,621	11,634	11,460	11,677	11,963	-0.9	-0.1	-0.6
OECD	14,918	13,981	13,310	13,082	13,139	13,391	13,463	13,268	13,396	13,489	-1.1	0.2	-0.6

16. Population ('000s)

Canada	21,297	22,697	24,042	24,342	24,583	24,787	24,979	25,166	25,353	25,625	1.2	0.9	1.1
United States	205,052	215,973	227,757	230,138	232,520	234,799	237,001	239,279	241,613	243,915	1.1	1.0	1.0
Japan	103,720	111,520	116,800	117,650	118,450	119,260	120,020	120,750	121,490	122,090	1.2	0.6	1.0
Australia	12,507	13,893	14,695	14,923	15,184	15,393	15,579	15,788	16,018	16,264	1.6	1.5	1.6
New Zealand	2,820	3,087	3,144	3,157	3,183	3,226	3,258	3,272	3,278	3,309	1.1	0.7	0.9
Belgium	9,651	9,795	9,847	9,853	9,856	9,855	9,855	9,858	9,862	9,834	0.2	-0.0	0.1
Denmark	4,929	5,060	5,123	5,122	5,119	5,114	5,112	5,114	5,121	5,127	0.4	0.0	0.2
Finland	4,606	4,712	4,779	4,800	4,827	4,856	4,882	4,902	4,918	4,932	0.4	0.5	0.4
France	50,772	52,699	53,880	54,182	54,480	54,729	54,947	55,170	55,394	55,630	0.6	0.5	0.5
Germany	60,651	61,829	61,566	61,682	61,638	61,423	61,175	61,024	61,066	61,199	0.1	-0.1	0.1
Italy	52,771	54,764	55,674	55,774	55,995	56,228	56,344	56,498	56,576	56,664	0.5	0.3	0.4
Netherlands	13,039	13,666	14,150	14,247	14,313	14,367	14,424	14,491	14,572	14,665	0.8	0.5	0.7
Norway	3,879	4,007	4,086	4,100	4,115	4,128	4,140	4,153	4,169	4,187	0.5	0.5	0.5
Spain	33,646	35,515	37,386	37,751	37,961	38,180	38,342	38,505	38,668	38,832	1.1	0.5	0.8
Sweden	8,043	8,192	8,311	8,320	8,325	8,329	8,337	8,350	8,370	8,398	0.3	0.1	0.3
Switzerland	6,270	6,404	6,385	6,429	6,467	6,482	6,505	6,533	6,573	6,619	0.2	0.5	0.3
U.K.	55,632	56,215	56,314	56,379	56,335	56,377	56,488	56,618	56,763	56,930	0.1	0.2	0.1
EEC	302,188	311,006	316,655	317,922	318,797	319,531	320,091	320,785	321,604	322,534	0.5	0.3	0.4
OECD	713,659	749,636	779,168	785,440	791,276	796,785	802,005	807,441	812,926	818,598	0.9	0.7	0.8

OECD Road and Road Motor Vehicle Statistics, With GDP and Population Data, 1970-1987

21. Real GDP/GNP per capita (\$US)	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	AAGR (%)		
	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1970-1980	1980-1987	1970-1987
Canada	9,029	10,930	12,523	12,826	12,294	12,583	13,273	13,804	14,148	14,562	3.3	2.2	2.9
United States	12,724	13,472	15,113	15,241	14,708	15,089	15,965	16,559	16,922	17,352	1.7	2.0	1.8
Japan	6,687	7,697	9,370	9,647	9,879	10,126	10,575	10,981	11,183	11,618	3.4	3.1	3.3
Australia	7,986	8,541	9,304	9,455	9,264	9,184	9,755	10,070	10,113	10,391	1.5	1.6	1.6
New Zealand	5,951	6,445	6,174	6,351	6,419	6,435	6,677	6,739	6,891	6,866	0.5	1.5	0.9
Belgium	5,744	6,736	7,800	7,725	7,839	7,871	8,036	8,095	8,209	8,418	3.1	1.1	2.3
Denmark	8,280	8,892	9,943	9,856	10,157	10,422	10,884	11,351	11,748	11,769	1.8	2.4	2.1
Finland	7,187	8,575	9,801	9,914	10,214	10,458	10,724	11,026	11,220	11,634	3.2	2.5	2.9
France	6,915	7,897	9,005	9,063	9,238	9,261	9,344	9,482	9,671	9,819	2.7	1.2	2.1
Germany	7,372	8,028	9,535	9,517	9,429	9,641	10,000	10,189	10,421	10,573	2.6	1.5	2.1
Italy	5,148	5,685	7,063	7,118	7,111	7,160	7,359	7,534	7,715	7,937	3.2	1.7	2.6
Netherlands	6,907	7,716	8,470	8,353	8,190	8,265	8,480	8,688	8,813	8,826	2.1	0.6	1.5
Norway	8,001	9,726	12,078	12,145	12,137	12,655	13,338	14,009	14,538	14,765	4.2	2.9	3.7
Spain	3,278	3,999	4,144	4,095	4,121	4,172	4,229	4,307	4,430	4,660	2.4	1.7	2.1
Sweden	9,445	10,549	11,061	11,049	11,164	11,360	11,803	12,051	12,295	12,614	1.6	1.9	1.7
Switzerland	12,018	12,377	13,561	13,657	13,455	13,558	13,753	14,200	14,518	14,711	1.2	1.2	1.2
U.K.	6,153	6,720	7,348	7,244	7,373	7,625	7,770	8,047	8,339	8,703	1.8	2.4	2.1
EEC	5,774	6,463	7,429	7,407	7,445	7,547	7,722	7,893	8,086	8,283	2.6	1.6	2.1
OECD	7,824	8,647	9,916	10,004	9,920	10,118	10,534	10,868	11,109	11,412	2.4	2.0	2.2

Sources:

1-17: Organization for Economic Cooperation and Development, *OECD Environmental Data Compendium 1989*, Part II, Section 13.

18-19: Basic source for most countries is OECD, *Quarterly National Accounts*, Number 3, 1990, with the following exceptions: data for New Zealand, Belgium, Denmark, Norway, Spain, and Switzerland were constructed from OECD, *Main Economic Indicators*, March 1991, p. 172. A time-series was built up using nominal GDP growth rates taken from OECD, *Economic Outlook, Historical Statistics, 1960-1987*, p. 182.

20-21: Data for all countries from OECD, *Main Economic Indicators*, March 1991, p. 172. A time-series was built using information on real GDP growth rates from OECD, *Economic Outlook, Historical Statistics, 1960-1987*, p. 181.

Notes to accompany Table N-3.5, sections 1-17:

1. Canada, United States: Secretariat estimates from 1981 to 1987; Japan, Australia, Italy: coverage of types of road changed in 1985; Denmark, Finland, Switzerland: does not include urban streets; France: does not include certain rural roads (700,000 km in 1987); Germany: data are estimates; Netherlands: surfaced roads only; Spain: motorways, national roads and secondary roads only. Other roads (167,185 km in 1987) include rural paths and unsurfaced forest trails; United Kingdom: data apply to Great Britain only; EEC and OECD: includes Secretariat estimates.

These data in principle refer to all public roads (with the above exceptions) in urban and rural areas, but not private roads. Data from 1985-1987 include Secretariat estimates.

2. This section is the result of dividing section 1 by section 16 and multiplying by 1,000.
3. Japan, Italy: includes three-wheeled vehicles; Denmark, Sweden, Switzerland: does not include road tractors; Germany: does not include tractors and other vehicles.

These statistics include passenger cars, goods vehicles, buses and coaches. They exclude trailers, military vehicles, special vehicles like ambulances, and agricultural tractors. Data from 1985-1987 include provisional figures and Secretariat estimates.

4. This part is created by dividing section 3 by section 16 and multiplying by 1,000.
5. This is simply the reciprocal of section 4, times 1,000.
6. This is the ratio of part 1 to part 3, times 1,000.
7. These data include provisional figures and Secretariat estimates from 1985-1987.

These numbers refer to passenger cars seating not more than nine persons, and include rental cars, taxis, jeeps, station wagons, and light, dual-purpose vehicles.

An error has been corrected in Canadian data for 1983 and revised data have been used for the estimate for 1987.

8. Section 8 is made by dividing 7 by 16 and multiplying by 1,000.
9. Section 9 is the reciprocal of part 8, times 1,000.
10. Canada, Australia, New Zealand: Secretariat estimates based on partial data; United States: excludes traffic by local or urban buses; Japan: excludes traffic by light vehicles (i.e. <360 c.c. engines until 1975 and <550 c.c. engines from 1976 onwards; France: excludes traffic by buses of the RATP; Germany: includes traffic by special vehicles but excludes vehicle-kms travelled by caravans (i.e. house trailers) and large trailers hauled by passenger-carrying vehicles; Italy: includes traffic by three-wheeled vehicles; Netherlands: includes traffic by trams and subways; Spain: includes traffic on motorways and national roads only; Sweden: excludes traffic by goods vehicles with a load capacity under 2 tons and includes traffic by Swedish passenger cars abroad; United Kingdom: applies to Great Britain only.

Data from 1985-1987 include provisional figures and Secretariat estimates.

11. This is derived by taking the ratio of 10 and 16 and multiplying by 1,000.
12. This is the ratio of 10 and 3, times 1,000.
13. Notes are same as note 10 excluding references to non-passenger carrying vehicles. As in note 10 data from 1985-1987 include provisional statistics and Secretariat estimates.
14. This is the ratio of 13 and 16, times 1,000.
15. This is the ratio of 13 and 7, times 1,000.
16. Population is defined as all nationals present in or temporarily absent from a country, and aliens permanently settled in the country, with the following exceptions: United States: includes armed force overseas; Japan: excludes allied military and civilian personnel in the country.
17. Population density is the ratio of population to total land area. Land areas were taken from p. 307 of the OECD Environmental Data Compendium. Land area figures include inland waters (e.g. lakes, rivers), and exclude internal waters such as estuaries and waters lying on the landward side of the "normal base line" along the coast.

Automobile Accidents and Related Statistics, Selected European and Other Countries, 1975-1987

	1975	1980	1981	1982	1983	1984	1985	1986	1987	AAGR (%)	
										1975-80	1980-87
I. Deaths within 30 days											
Canada	6,061	5,461	5,383	4,169	4,216	4,120	4,364	4,068	4,286	-2.1	-3.4
U.S.	44,525	51,091	49,301	43,945	42,569	42,041	43,825	46,087	46,396	2.8	-1.4
Japan	14,206	11,752	11,674	12,377	12,919	12,041	12,039	12,112	12,151	-3.7	0.5
Australia	3,694	3,272	3,321	3,252	2,755	2,821	2,942	2,888	2,771	-2.4	-2.3
Belgium	2,346	2,398	2,216	2,084	2,090	1,893	1,801	1,951	1,822	0.4	-3.1
Denmark	827	690	662	658	669	665	772	723	698	-3.6	0.2
Finland	910	551	555	569	604	541	604	612	581	-9.5	0.8
France	14,168	13,499	13,287	13,191	12,728	12,562	11,387	11,947	10,742	-1.0	-3.2
Germany	14,870	13,041	11,674	11,608	11,732	10,189	8,400	8,948	7,967	-2.6	-6.8
Italy	10,177	9,135	8,837	8,245	8,223	7,687	7,629	7,571	7,259	-2.1	-3.2
Luxembourg	124	98	100	75	85	70	79	79	68	-4.8	-5.1
Netherlands	2,321	1,987	1,807	1,710	1,758	1,615	1,438	1,529	1,485	-3.0	-4.1
Norway	539	362	338	401	409	407	402	452	398	-7.7	1.4
Spain	5,833	6,522	6,409	5,832	6,066	6,275	6,374	7,045	7,615	2.3	2.2
Sweden	1,172	848	784	758	779	801	808	844	787	-6.3	-1.1
Switzerland	1,243	1,246	1,165	1,192	1,159	1,101	908	1,034	952	0.0	-3.8
U.K.	6,679	6,239	6,069	6,150	5,618	5,788	5,342	5,618	5,339	-1.4	-2.2
19 ECMT	79,878	73,272	70,619	70,102	70,242	68,048	63,485	66,314	66,680	-1.7	-1.3
II. Injuries (deaths + injuries = casualties)											
Canada	220,941	262,877	261,176	225,717	224,297	237,455	259,189	264,481	280,575	3.5	0.9
U.S.	-	2,800,000	3,500,000	3,280,000	3,458,000	3,565,000	3,345,000	3,988,000	n/a	-	6.1
Japan	619,063	595,727	604,191	622,888	651,423	641,542	678,568	709,535	719,375	-0.8	2.7
Australia	89,499	32,054	32,108	30,654	28,080	28,794	29,280	29,179	n/a	-18.6	-1.6
Belgium	82,132	82,304	79,588	77,693	79,397	79,678	74,514	79,881	81,934	0.0	-0.1
Denmark	20,100	15,061	13,649	13,442	13,137	13,718	13,855	13,398	12,016	-5.6	-3.2
Finland	14,157	8,442	9,072	9,117	9,373	9,198	9,563	10,762	10,752	-9.8	3.5
France	344,556	332,478	324,754	311,733	293,312	281,448	269,805	258,029	236,751	-0.7	-4.7
Germany	457,797	500,463	475,944	467,188	489,210	466,033	422,095	443,217	424,822	1.8	-2.3
Italy	229,232	222,275	224,677	216,867	219,206	217,050	215,603	212,664	217,036	-0.6	-0.3
Luxembourg	2,759	2,283	2,141	1,964	2,118	2,117	1,997	1,983	1,500	-3.7	-5.8
Netherlands	59,979	56,623	53,505	52,212	52,471	50,676	48,450	50,081	49,189	-1.1	-2.0
Norway	10,974	10,248	10,480	10,430	10,608	11,094	11,902	12,006	11,090	-1.4	1.1
Spain	91,968	106,170	104,704	98,806	110,872	114,080	125,329	135,519	151,631	2.9	5.2
Sweden	20,809	19,248	18,554	19,277	19,803	20,635	20,671	21,814	20,468	-1.5	0.9
Switzerland	29,951	32,326	31,702	31,358	32,471	30,728	29,827	30,346	29,150	1.5	-1.5
U.K.	325,924	329,625	326,551	336,285	310,679	327,276	320,819	325,275	316,070	0.2	-0.6
19 ECMT	1,908,219	1,941,348	1,906,617	1,891,644	1,882,764	1,867,478	1,806,239	1,858,605	1,847,248	0.3	-0.7
III. Accidents causing casualties											
Canada	154,874	184,302	183,643	160,376	160,623	167,718	183,423	186,992	196,808	3.5	0.9
U.S.	n/a	n/a	n/a	n/a	n/a	n/a	2,372,000	2,601,000	n/a	n/a	n/a
Japan	472,938	476,677	465,578	502,261	526,362	518,642	552,788	579,190	590,723	0.2	3.1
Australia	65,788	27,412	27,592	26,478	24,350	24,861	25,179	25,260	n/a	-1.4	-1.4
Belgium	60,376	60,758	59,024	57,407	58,778	58,659	54,826	58,515	59,669	0.1	-0.3
Denmark	15,929	12,334	11,257	11,198	11,115	11,489	11,502	11,170	10,164	-5.0	-2.7
Finland	10,337	6,790	7,173	7,402	7,673	7,543	7,759	8,708	8,636	-8.1	3.5
France	258,201	241,040	239,734	223,162	209,715	199,454	191,066	184,628	170,984	-1.4	-4.8
Germany	337,732	379,235	362,617	358,693	374,107	359,485	327,745	341,921	325,519	2.3	-2.2
Italy	168,363	163,770	165,721	159,858	161,114	159,051	157,786	155,427	150,208	-0.6	-1.2
Luxembourg	1,866	1,577	1,487	1,361	1,429	1,423	1,332	1,348	1,165	-3.3	-4.2
Netherlands	52,365	49,396	46,656	45,517	45,646	44,317	42,348	43,581	42,655	-1.2	-2.1
Norway	8,764	7,848	8,072	8,063	8,227	8,512	8,975	9,141	8,335	-2.2	0.9

Automobile Accidents and Related Statistics, Selected European and Other Countries, 1975-1987

	1975	1980	1981	1982	1983	1984	1985	1986	1987	AAGR (%)	
										1975-80	1980-87
Spain	62,123	67,803	67,012	63,585	72,779	74,111	81,234	87,703	98,182	1.8	5.4
Sweden	16,047	15,231	14,801	15,288	15,848	16,551	15,923	16,677	15,652	-1.0	0.4
Switzerland	24,072	25,649	25,445	25,535	26,223	25,078	24,302	24,700	23,773	1.3	-1.1
U.K.	251,168	257,282	253,521	261,531	248,301	259,161	251,424	254,025	245,407	0.5	-0.7
19 ECMT	1,433,405	1,457,539	1,434,750	1,420,781	1,421,445	1,406,661	1,355,223	1,388,636	1,386,688	0.3	-0.9
IV. Road motor vehicles in use ('000s)											
Canada	11,028	13,211	13,382	13,824	14,080	14,327	14,330	14,761	15,416	3.7	2.2
U.S.	132,962	155,890	158,457	159,510	163,810	166,498	171,653	176,191	180,989	3.2	2.2
Japan	28,934	38,939	40,855	42,768	44,602	46,419	48,268	48,045	49,977	6.1	3.6
Australia	5,998	7,263	7,566	7,969	8,188	8,434	8,729	8,916	9,133	3.9	3.3
Belgium	2,936	3,513	3,546	3,571	3,607	3,648	3,699	3,775	3,880	3.7	1.4
Denmark	1,529	1,650	1,617	1,602	1,635	1,693	1,768	1,841	1,882	1.5	1.9
Finland	1,140	1,393	1,453	1,533	1,598	1,668	1,747	1,829	1,920	4.1	4.7
France	17,810	21,780	22,466	23,190	23,830	24,110	24,366	24,796	26,193	4.1	2.7
Germany	19,336	24,913	25,514	25,906	26,401	27,124	27,785	28,915	29,968	5.2	2.7
Italy	16,252	19,377	20,414	21,529	22,486	23,070	24,324	24,502	24,769	3.6	3.8
Luxembourg	129	148	153	156	161	167	172	179	188	2.8	3.3
Netherlands	3,741	4,890	4,981	5,018	5,118	5,223	5,330	5,413	5,624	5.5	2.0
Norway	1,101	1,398	1,450	1,518	1,578	1,644	1,764	1,874	1,928	4.9	4.7
Spain	5,960	8,961	9,409	9,866	10,318	10,485	10,977	11,509	12,248	8.5	4.8
Sweden	2,831	3,077	3,093	3,143	3,222	3,383	3,497	3,626	3,828	1.0	2.4
Switzerland	1,942	2,427	2,573	2,663	2,722	2,756	2,828	2,897	2,961	4.6	2.9
U.K.	16,266	17,858	18,033	18,468	19,000	19,646	20,056	20,863	20,929	1.9	2.3
19 ECMT	98,699	122,685	126,601	130,641	134,573	137,927	141,969	147,984	152,754	4.4	3.2

Statistics for 1987*

	1987	Area in sq. km	Popul. per sq. km	Vehicles per 1,000 pop.	Deaths per 1,000 accidents	Injuries per 1,000 accidents	Killed per 1,000 casualties	Total killed in cars	% killed in cars		Killed in cars/total killed
	popu-lation								Drivers	Passengers	
Canada	25,796	9,360,527	2.8	598	22	1,426	15	3,059	45.5	25.9	71.4
U.S.	237,491	9,359,373	25.4	762	16	1,533	11	25,086	35.9	18.2	54.1
Japan	122,260	377,727	323.7	409	21	1,218	17	4,338	25.2	10.5	35.7
Australia	16,248	7,682,000	2.1	562	114	1,155	90	1,801	39.5	25.5	65.0
Belgium	9,685	30,514	317.4	401	32	1,373	23	1,086	39.1	17.9	57.0
Denmark	5,129	43,080	119.1	387	69	1,182	55	359	35.9	15.6	51.5
Finland	4,941	338,145	14.6	369	67	1,245	51	277	27.7	20.1	47.8
France	55,278	543,963	101.6	474	63	1,385	43	6,542	36.7	22.2	60.9
Germany	61,140	248,687	245.9	490	24	1,304	18	4,246	35.9	17.4	53.3
Italy	57,291	301,278	190.2	432	48	1,445	32	3,823	31.5	16.0	50.5
Luxembourg	370	2,587	143.0	503	58	1,288	43	57	57.4	26.5	83.9
Netherlands	14,714	41,509	354.5	382	35	1,153	29	788	34.9	16.9	51.8
Norway	4,199	323,805	13.0	459	48	1,331	35	243	38.7	22.4	61.1
Spain	38,932	504,750	76.9	315	78	1,544	48	4,424	31.5	26.8	58.1
Sweden	8,414	486,661	17.3	431	50	1,308	37	479	41.3	19.6	60.9
Switzerland	6,567	41,283	159.0	451	40	1,228	32	413	30.7	12.7	43.4
U.K.	56,930	240,978	236.2	368	22	1,268	17	2,306	25.9	17.3	43.2
19 ECMT	429,510	4,557,542	94.2	356	49	1,352	35	35,474	31.0	22.2	53.2

Source: European Conference of Ministers of Transport, *Statistical Report on Road Accidents, 1987 and 1988*. Population data are taken from United Nations, *Demographic Yearbook 1989* (New York: United Nations, 1991).

*Data in boldface type refer to 1986.

Note: 1) Revised Canadian data have been used wherever possible; 2) growth rates in boldface are from 1980-1986.

Population of Canada by Province and Territory, 1951-1991, With Projections to 2011

I. Population of Canada ('000s)	1951	1961	1971	1981	1986	1991	Average annual growth rates (%)									
	1951-1961	1961-1971	1971-1981	1981-1991	1951-1991	1961-1991	1971-1991	1981-1991	1986-1991	1991-2001	1951-2001					
	1961	1971	1981	1991	1961	1971	1981	1991	1991	1991	1991					
Nfld.	361	458	522	568	568	568	2.4	1.3	0.8	0.0	1.1	0.7	0.4	1.1	1.5	
P.E.I.	98	105	112	123	127	130	0.6	0.7	0.9	0.6	0.7	0.7	0.8	0.8	0.7	
N.S.	643	737	789	847	873	900	1.4	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.9	
N.B.	516	598	635	696	709	724	1.5	0.8	0.9	0.4	0.9	0.6	0.7	0.8	1.0	
Que.	4,056	5,259	6,028	6,438	6,532	6,896	2.6	1.4	0.7	0.7	1.3	0.9	0.7	1.0	1.6	
Ont.	4,598	6,236	7,703	8,625	9,102	10,085	3.1	2.1	1.1	1.6	2.0	1.6	1.4	1.6	2.1	
Man.	777	922	988	1,026	1,063	1,092	1.7	0.7	0.4	0.8	0.9	0.6	0.5	0.5	0.9	
Sask.	832	925	926	968	1,010	989	1.1	0.0	0.4	0.2	0.4	0.2	0.3	0.2	0.5	
Alta.	940	1,332	1,628	2,238	2,366	2,546	3.6	2.0	3.2	1.3	2.5	2.2	2.3	2.6	2.9	
B.C.	1,165	1,629	2,185	2,744	2,883	3,282	3.4	3.0	2.3	1.8	2.8	2.4	2.1	2.6	2.9	
Yukon	9	15	18	23	24	28	4.9	2.3	2.3	1.8	2.8	2.2	2.1	2.3	3.2	
N.W.T.	16	23	35	46	52	58	3.7	4.2	2.8	2.3	3.3	3.1	2.6	3.5	3.6	
Canada	14,009	18,238	21,568	24,343	25,309	27,297	2.7	1.7	1.2	1.2	1.7	1.4	1.2	1.5	1.9	

II. Population projections, 1991-2011 ('000s)

	1981	1991	1996	2001	2006	2011	1981-1991	1991-2001	2001-2011	1991-2011
Projection 1										
Nfld.	568	575	573	568	556	543	0.1	-0.1	-0.1	-0.3
P.E.I.	123	133	135	134	134	132	0.8	0.1	0.1	-0.0
N.S.	847	895	912	921	921	915	0.5	0.3	0.3	0.1
N.B.	696	726	731	728	719	707	0.4	0.0	0.0	-0.1
Que.	6,438	6,778	6,918	6,969	7,013	6,996	0.5	0.3	0.3	0.2
Ont.	8,625	9,815	10,282	10,834	10,887	11,062	1.3	0.8	0.8	0.6
Man.	1,026	1,088	1,105	1,118	1,122	1,125	0.6	0.3	0.3	0.2
Sask.	968	998	1,020	1,038	1,051	1,061	0.3	0.4	0.4	0.3
Alta.	2,238	2,493	2,674	2,819	2,931	3,015	1.1	1.2	1.2	1.0
B.C.	2,744	3,178	3,371	3,516	3,618	3,683	1.5	1.0	1.0	0.7
Yukon	23	26	29	32	33	34	1.1	2.1	2.1	1.4
N.W.T.	46	55	58	61	64	67	1.9	0.9	0.9	0.9
Canada	24,343	26,758	27,808	28,553	29,049	29,340	1.0	0.7	0.7	0.5
Projection 2										
Nfld.	568	575	579	590	579	577	0.1	0.1	0.1	0.0
P.E.I.	123	133	137	140	143	145	0.8	0.5	0.5	0.4
N.S.	847	895	923	945	962	974	0.6	0.5	0.5	0.4
N.B.	696	727	740	749	754	756	0.4	0.3	0.3	0.2
Que.	6,438	6,785	7,023	7,210	7,357	7,467	0.5	0.6	0.6	0.5
Ont.	8,625	9,825	10,430	10,958	11,408	11,795	1.3	1.1	1.1	0.9
Man.	1,026	1,088	1,124	1,157	1,187	1,216	0.6	0.6	0.6	0.6
Sask.	968	997	999	998	998	1,001	0.3	0.0	0.0	0.0
Alta.	2,238	2,486	2,558	2,605	2,647	2,692	1.1	0.5	0.5	0.4
B.C.	2,744	3,174	3,321	3,429	3,516	3,592	1.5	0.8	0.8	0.6
Yukon	23	26	27	28	28	29	1.0	0.8	0.8	0.6
N.W.T.	46	56	62	68	74	81	2.0	2.0	2.0	1.9
Canada	24,343	26,767	27,921	28,867	29,654	30,325	1.0	0.8	0.8	0.6
Projection 3										
Nfld.	568	575	576	575	571	566	0.1	-0.0	-0.0	-0.1
P.E.I.	123	133	136	137	138	139	0.8	0.3	0.3	0.2
N.S.	847	896	920	939	954	964	0.6	0.5	0.5	0.4
N.B.	696	727	736	740	741	741	0.4	0.2	0.2	0.1
Que.	6,438	6,792	7,053	7,288	7,496	7,684	0.5	0.7	0.7	0.6
Ont.	8,625	9,832	10,428	10,953	11,419	11,843	1.3	1.1	1.1	0.9
Man.	1,026	1,089	1,123	1,157	1,190	1,224	0.6	0.6	0.6	0.6
Sask.	968	1,000	1,032	1,064	1,095	1,125	0.3	0.6	0.6	0.6
Alta.	2,238	2,499	2,726	2,936	3,126	3,299	1.1	1.6	1.6	1.4
B.C.	2,744	3,184	3,429	3,645	3,834	3,998	1.5	1.4	1.4	1.1
Yukon	23	26	29	33	35	37	1.1	2.4	2.4	1.8
N.W.T.	46	56	59	63	67	72	2.0	1.2	1.2	1.3
Canada	24,343	26,808	28,246	29,527	30,664	31,690	1.0	1.0	1.0	0.8
Projection 4										
Nfld.	568	576	588	590	610	621	0.1	0.4	0.4	0.4
P.E.I.	123	133	140	146	152	157	0.8	0.9	0.9	0.8
N.S.	847	897	938	979	1,017	1,053	0.6	0.9	0.9	0.8
N.B.	696	728	758	784	809	832	0.4	0.7	0.7	0.7
Que.	6,438	6,794	7,097	7,397	7,702	8,028	0.5	0.9	0.9	0.8
Ont.	8,625	9,834	10,480	11,079	11,649	12,231	1.3	1.2	1.2	1.1
Man.	1,026	1,091	1,153	1,217	1,280	1,342	0.6	1.1	1.1	1.0
Sask.	968	1,002	1,061	1,124	1,186	1,246	0.3	1.2	1.2	1.1
Alta.	2,238	2,495	2,636	2,762	2,882	3,005	1.1	1.0	1.0	0.9
B.C.	2,744	3,177	3,347	3,492	3,631	3,777	1.5	0.9	0.9	0.9
Yukon	23	26	27	28	29	30	1.0	0.8	0.8	0.8
N.W.T.	46	56	58	60	63	67	2.0	0.8	0.8	1.0
Canada	24,343	26,808	28,280	29,667	31,009	32,388	1.0	1.0	1.0	1.0

Sources: Population: 1951-1986: Statistics Canada, *Age, Sex and Marital Status, 1986 Census*, Catalogue no. 93-101, Table 1; 1991: SC, *A National Overview*, Cat no. 93-301, 1991 Census, April 1992, p. 7; Projections: Statistics Canada, *Population Projections For Canada, Provinces and Territories 1989-2011*, Catalogue no. 91-520, March 1990, Part 3.

Projection assumptions:

Projection 1: Fertility: rate falls gradually from 1.67 births per woman in 1989 to 1.2 by 2011 and is constant thereafter; Immigration: rises to 140,000 per year by 1991, constant thereafter; Internal Migration: westward flow due to an economic boom in Alberta and B.C.

Projection 2: Fertility: rate remains constant at 1.67 births per woman; Immigration: same as Projection 1; Internal Migration: flow towards Ontario

Projection 3: Fertility: rate remains constant at 1.67 births per woman; Immigration: levels increase gradually to 200,000 per year by 1994, and are constant thereafter; Internal Migration: same as projection 1.

Projection 4: Fertility: remains at 1.67 until 1991, then increases gradually to 2.1 by 2011; Immigration: same as Projection 3; Internal Migration reflects long-term trend observed since 1960s. It falls between the other two assumptions already covered and is favourable to the Atlantic Provinces

Percentage Distribution of Total Population by Province/Territory, 1951-2011

	1951	1961	1971	1981	1986	1991
I. Percentage distribution of population by province/territory						
Nfld.	2.6	2.5	2.4	2.3	2.2	2.1
P.E.I.	0.7	0.6	0.5	0.5	0.5	0.5
N.S.	4.6	4.0	3.7	3.5	3.5	3.3
N.B.	3.7	3.3	2.9	2.9	2.8	2.7
Que.	28.9	28.8	27.9	26.4	25.8	25.3
Ont.	32.8	34.2	35.7	35.4	36.0	36.9
Man.	5.5	5.1	4.8	4.2	4.2	4.0
Sask.	5.9	5.1	4.3	4.0	4.0	3.8
Alta.	6.7	7.3	7.5	9.2	9.3	9.3
B.C.	8.3	8.9	10.1	11.3	11.4	12.0
Yukon	0.1	0.1	0.1	0.1	0.1	0.1
N.W.T.	0.1	0.1	0.2	0.2	0.2	0.2
Canada	100.0	100.0	100.0	100.0	100.0	100.0

	1981	1991	1996	2001	2006	2011
II. Percentage distribution of projected population by province/territory, 1981-2011						
Projection 1						
Nfld.	2.3	2.1	2.1	2.0	1.9	1.9
P.E.I.	0.5	0.5	0.5	0.5	0.5	0.5
N.S.	3.5	3.3	3.3	3.2	3.2	3.1
N.B.	2.9	2.7	2.6	2.5	2.5	2.4
Que.	26.4	25.3	24.9	24.5	24.1	23.8
Ont.	35.4	36.7	37.0	37.2	37.5	37.7
Man.	4.2	4.1	4.0	3.9	3.9	3.8
Sask.	4.0	3.7	3.7	3.6	3.6	3.6
Alta.	9.2	9.3	9.8	9.9	10.1	10.3
B.C.	11.3	11.9	12.1	12.3	12.5	12.6
Yukon	0.1	0.1	0.1	0.1	0.1	0.1
N.W.T.	0.2	0.2	0.2	0.2	0.2	0.2
Canada	100.0	100.0	100.0	100.0	100.0	100.0

Projection 2						
Nfld.	2.3	2.1	2.1	2.0	2.0	1.9
P.E.I.	0.5	0.5	0.5	0.5	0.5	0.5
N.S.	3.5	3.3	3.3	3.3	3.2	3.2
N.B.	2.9	2.7	2.7	2.6	2.5	2.5
Que.	26.4	25.3	25.2	25.0	24.8	24.6
Ont.	35.4	36.7	37.4	38.0	38.5	38.9
Man.	4.2	4.1	4.0	4.0	4.0	4.0
Sask.	4.0	3.7	3.6	3.5	3.4	3.3
Alta.	9.2	9.3	9.2	9.0	8.9	8.9
B.C.	11.3	11.9	11.9	11.9	11.9	11.8
Yukon	0.1	0.1	0.1	0.1	0.1	0.1
N.W.T.	0.2	0.2	0.2	0.2	0.3	0.3
Canada	100.0	100.0	100.0	100.0	100.0	100.0

Projection 3						
Nfld.	2.3	2.1	2.0	1.9	1.9	1.8
P.E.I.	0.5	0.5	0.5	0.5	0.5	0.4
N.S.	3.5	3.3	3.3	3.2	3.1	3.0
N.B.	2.9	2.7	2.6	2.5	2.4	2.3
Que.	26.4	25.3	25.0	24.7	24.4	24.2
Ont.	35.4	36.7	38.9	37.1	37.2	37.4
Man.	4.2	4.1	4.0	3.9	3.9	3.9
Sask.	4.0	3.7	3.7	3.6	3.6	3.5
Alta.	9.2	9.3	9.7	9.9	10.2	10.4
B.C.	11.3	11.9	12.1	12.3	12.5	12.6
Yukon	0.1	0.1	0.1	0.1	0.1	0.1
N.W.T.	0.2	0.2	0.2	0.2	0.2	0.2
Canada	100.0	100.0	100.0	100.0	100.0	100.0

Projection 4						
Nfld.	2.3	2.1	2.1	2.0	2.0	1.9
P.E.I.	0.5	0.5	0.5	0.5	0.5	0.5
N.S.	3.5	3.3	3.3	3.3	3.3	3.3
N.B.	2.9	2.7	2.7	2.6	2.6	2.6
Que.	26.4	25.3	25.1	24.9	24.8	24.8
Ont.	35.4	36.7	37.1	37.3	37.6	37.8
Man.	4.2	4.1	4.1	4.1	4.1	4.1
Sask.	4.0	3.7	3.8	3.8	3.8	3.8
Alta.	9.2	9.3	9.3	9.3	9.3	9.3
B.C.	11.3	11.9	11.8	11.8	11.7	11.7
Yukon	0.1	0.1	0.1	0.1	0.1	0.1
N.W.T.	0.2	0.2	0.2	0.2	0.2	0.2
Canada	100.0	100.0	100.0	100.0	100.0	100.0

Source: See Table O-1.

Population of Canada and Population Projections, by Region, 1951-2011

							Average annual growth rates (%)					
	1951	1961	1971	1981	1986	1991	1951— 1961	1961— 1971	1971— 1981	1981— 1991	1951— 1991	1961— 1991
I. Population by region, 1951–1991 ('000s)												
Atlantic	1,618	1,897	2,057	2,234	2,278	2,322	1.6	0.8	0.8	0.4	0.9	0.7
Quebec	4,056	5,259	6,028	6,438	6,532	6,896	2.6	1.4	0.7	0.7	1.3	0.9
Ontario	4,598	6,236	7,703	8,625	9,102	10,085	3.1	2.1	1.1	1.6	2.0	1.6
Prairies	2,548	3,179	3,542	4,232	4,438	4,626	2.2	1.1	1.8	0.9	1.5	1.3
B.C.	1,165	1,629	2,185	2,744	2,883	3,282	3.4	3.0	2.3	1.8	2.6	2.4
Territories	25	38	53	69	76	85	4.1	3.5	2.6	2.2	3.1	2.8
Total	14,009	18,238	21,568	24,343	25,309	27,297	2.7	1.7	1.2	1.2	1.7	1.4

	1981	1991	1996	2001	2006	2011	1981-1991	1991-2001	2001-2011	1991-2011
II. Population projections by region, 1991-2011 ('000s)										

Projection 1

Atlantic	2,234	2,328	2,350	2,349	2,330	2,297	0.4	0.1	0.1	-0.1
Quebec	6,438	6,778	6,918	6,989	7,013	6,996	0.5	0.3	0.3	0.2
Ontario	8,625	9,815	10,282	10,634	10,887	11,062	1.3	0.8	0.8	0.6
Prairies	4,232	4,578	4,799	4,973	5,105	5,201	0.8	0.8	0.8	0.6
B.C.	2,744	3,178	3,371	3,516	3,618	3,683	1.5	1.0	1.0	0.7
Territories	69	81	87	93	97	101	1.6	1.3	1.3	1.1
Total	24,343	26,758	27,808	28,553	29,049	29,340	1.0	0.7	0.7	0.5

Projection 2

Atlantic	2,234	2,330	2,379	2,415	2,438	2,451	0.4	0.4	0.4	0.3
Quebec	6,438	6,785	7,023	7,210	7,357	7,467	0.5	0.6	0.6	0.5
Ontario	8,625	9,825	10,430	10,958	11,408	11,795	1.3	1.1	1.1	0.9
Prairies	4,232	4,571	4,680	4,760	4,832	4,909	0.8	0.4	0.4	0.4
B.C.	2,744	3,174	3,321	3,429	3,516	3,592	1.5	0.8	0.8	0.6
Territories	69	81	89	96	103	110	1.7	1.7	1.7	1.5
Total	24,343	26,767	27,921	28,867	29,654	30,325	1.0	0.8	0.8	0.6

Projection 3

Atlantic	2,234	2,330	2,367	2,391	2,404	2,410	0.4	0.3	0.3	0.2
Quebec	6,438	6,792	7,053	7,286	7,496	7,684	0.5	0.7	0.7	0.6
Ontario	8,625	9,832	10,428	10,953	11,419	11,843	1.3	1.1	1.1	0.9
Prairies	4,232	4,588	4,881	5,157	5,410	5,647	0.8	1.2	1.2	1.0
B.C.	2,744	3,184	3,429	3,645	3,834	3,998	1.5	1.4	1.4	1.1
Territories	69	81	89	95	102	108	1.7	1.6	1.6	1.4
Total	24,343	26,808	28,246	29,527	30,664	31,690	1.0	1.0	1.0	0.8

Projection 4

Atlantic	2,234	2,333	2,422	2,508	2,587	2,663	0.4	0.7	0.7	0.7
Quebec	6,438	6,794	7,097	7,397	7,702	8,028	0.5	0.9	0.9	0.8
Ontario	8,625	9,834	10,480	11,079	11,649	12,231	1.3	1.2	1.2	1.1
Prairies	4,232	4,588	4,850	5,103	5,347	5,592	0.8	1.1	1.1	1.0
B.C.	2,744	3,177	3,347	3,492	3,631	3,777	1.5	0.9	0.9	0.9
Territories	69	81	85	88	92	98	1.6	0.8	0.8	0.9
Total	24,343	26,808	28,280	29,667	31,009	32,388	1.0	1.0	1.0	1.0

Source: See Table O-1.

Percentage Distribution of the Population of Canada, by Region, 1951–2011

	1951	1961	1971	1981	1986	1991
I. Percentage distribution of population by region, 1951–1991						
Atlantic	11.6	10.4	9.5	9.2	9.0	8.5
Quebec	28.9	28.8	27.9	26.4	25.8	25.3
Ontario	32.8	34.2	35.7	35.4	36.0	36.9
Prairies	18.2	17.4	16.4	17.4	17.5	16.9
B.C.	8.3	8.9	10.1	11.3	11.4	12.0
Territories	0.2	0.2	0.2	0.3	0.3	0.3
Total	100.0	100.0	100.0	100.0	100.0	100.0

	1981	1991	1996	2001	2006	2011
II. Percentage distribution of projected population by region, 1981–2011						

Projection 1

Atlantic	9.2	8.7	8.5	8.2	8.0	7.8
Quebec	26.4	25.3	24.9	24.5	24.1	23.8
Ontario	35.4	36.7	37.0	37.2	37.5	37.7
Prairies	17.4	17.1	17.3	17.4	17.6	17.7
B.C.	11.3	11.9	12.1	12.3	12.5	12.6
Territories	0.3	0.3	0.3	0.3	0.3	0.3
Total	100.0	100.0	100.0	100.0	100.0	100.0

Projection 2

Atlantic	9.2	8.7	8.5	8.4	8.2	8.1
Quebec	26.4	25.3	25.2	25.0	24.8	24.6
Ontario	35.4	36.7	37.4	38.0	38.5	38.9
Prairies	17.4	17.1	16.8	16.5	16.3	16.2
B.C.	11.3	11.9	11.9	11.9	11.9	11.8
Territories	0.3	0.3	0.3	0.3	0.3	0.4
Total	100.0	100.0	100.0	100.0	100.0	100.0

Projection 3

Atlantic	9.2	8.7	8.4	8.1	7.8	7.6
Quebec	26.4	25.3	25.0	24.7	24.4	24.2
Ontario	35.4	36.7	36.9	37.1	37.2	37.4
Prairies	17.4	17.1	17.3	17.5	17.6	17.8
B.C.	11.3	11.9	12.1	12.3	12.5	12.6
Territories	0.3	0.3	0.3	0.3	0.3	0.3
Total	100.0	100.0	100.0	100.0	100.0	100.0

Projection 4

Atlantic	9.2	8.7	8.6	8.5	8.3	8.2
Quebec	26.4	25.3	25.1	24.9	24.8	24.8
Ontario	35.4	36.7	37.1	37.3	37.6	37.8
Prairies	17.4	17.1	17.1	17.2	17.2	17.3
B.C.	11.3	11.9	11.8	11.8	11.7	11.7
Territories	0.3	0.3	0.3	0.3	0.3	0.3
Total	100.0	100.0	100.0	100.0	100.0	100.0

Source: See Table O-1.

Population by Gender, With Projections, 1951-2036

	1951	1961	1971	1976	1981	1986	1991	Average annual growth rates (%)							
								1951-1961	1961-1971	1971-1981	1981-1991	1991-2001	2001-2016	2016-2036	1951-1991
I. Population by gender, 1951-1991 ('000s)															
Male	7,089	9,219	10,795	11,450	12,068	12,486	13,455		2.7	1.6	1.1	1.1	1.1	1.6	1.3
Female	6,921	9,019	10,773	11,543	12,275	12,824	13,842		2.7	1.8	1.3	1.2	1.2	1.7	1.4
Total	14,009	18,238	21,568	22,993	24,343	25,309	27,297		2.7	1.7	1.2	1.2	1.2	1.7	1.4
II. Population projections by gender, 1991-2036 ('000s)															
	1991	1996	2001	2006	2011	2016	2021	2026	2031	2036	1981-1991	1991-2001	2001-2016	2016-2036	1991-2036
Projection 1															
Male	13,174	13,651	13,977	14,183	14,288	14,303	14,210	13,988	13,636	13,177	0.9	0.6	0.3	0.0	0.2
Female	13,584	14,157	14,576	14,866	15,051	15,147	15,151	15,040	14,803	14,439	1.0	0.7	0.4	0.1	0.3
Total	26,758	27,808	28,553	29,049	29,340	29,450	29,361	29,028	28,439	27,615	1.0	0.7	0.4	0.1	0.2
Projection 2															
Male	13,179	13,709	14,139	14,493	14,794	15,029	15,167	15,188	15,094	14,911	0.9	0.7	0.5	0.3	0.4
Female	13,589	14,212	14,729	15,160	15,531	15,837	16,059	16,178	16,187	16,087	1.0	0.8	0.6	0.4	0.5
Total	26,767	27,921	28,867	29,654	30,324	30,866	31,226	31,366	31,281	30,998	1.0	0.8	0.6	0.3	0.4
Projection 3															
Male	13,198	13,864	14,455	14,979	15,451	15,859	16,170	16,365	16,446	16,435	0.9	0.9	0.7	0.5	0.6
Female	13,610	14,382	15,072	15,686	16,240	16,730	17,137	17,442	17,636	17,719	1.0	1.0	0.8	0.6	0.7
Total	26,808	28,246	29,528	30,664	31,690	32,589	33,306	33,807	34,083	34,154	1.0	1.0	0.8	0.5	0.7
Projection 4															
Male	13,198	13,882	14,527	15,155	15,809	16,442	16,985	17,430	17,797	18,122	0.9	1.0	0.9	0.7	0.8
Female	13,610	14,399	15,140	15,854	16,580	17,284	17,910	18,454	18,919	19,322	1.0	1.1	1.0	0.8	0.9
Total	26,808	28,280	29,667	31,009	32,389	33,726	34,895	35,884	36,716	37,444	1.0	1.0	0.9	0.7	0.9

Sources: Population: Statistics Canada, *Age, Sex and Marital Status*, Catalogue no. 93-310, 1991 Census, July 1992, Table 1;

Projections: Statistics Canada, *Population Projections For Canada, Provinces and Territories 1989-2011*, Catalogue no. 91-520, March 1990, Part 3.

Note: See Table O-1 for a list of projection assumptions.

Population by Five-Year Age Groups, With Projections, 1951-2036

								Average annual growth rates (%)							
	1951	1961	1971	1976	1981	1986	1991	1951-1961	1961-1971	1971-1981	1981-1991	1951-1961	1961-1971	1971-1981	1981-1991
I. Population by five-year age groups, 1951-1991 ('000s)															
Under 15	4,251	6,192	6,381	5,896	5,481	5,392	5,693	3.8	0.3	-1.5	0.4	0.7	-0.3		
15-19	1,058	1,433	2,114	2,345	2,315	1,925	1,889	3.1	4.0	0.9	-2.1	1.4	0.9		
20-24	1,089	1,184	1,889	2,134	2,244	2,253	1,962	0.8	4.8	2.2	-1.8	1.5	1.7		
25-29	1,131	1,209	1,584	1,983	2,178	2,342	2,376	0.7	2.7	3.2	0.9	1.9	2.3		
30-34	1,043	1,272	1,305	1,827	2,039	2,186	2,491	2.0	0.3	4.8	2.0	2.2	2.3		
35-39	999	1,271	1,264	1,329	1,630	2,025	2,284	2.4	-0.1	2.8	3.4	2.1	2.0		
40-44	869	1,119	1,263	1,288	1,338	1,815	2,087	2.8	1.2	0.8	4.5	2.2	2.1		
45-49	745	1,015	1,239	1,253	1,255	1,316	1,641	3.1	2.0	0.1	2.7	2.0	1.6		
50-54	863	863	1,053	1,220	1,243	1,229	1,325	2.7	2.0	1.7	0.8	1.7	1.4		
55-59	571	706	955	1,019	1,180	1,203	1,223	2.1	3.1	2.1	0.4	1.9	1.8		
60-64	506	584	777	905	979	1,125	1,177	1.4	2.9	2.3	1.9	2.1	2.4		
65-69	433	487	620	721	844	912	1,073	1.2	2.4	3.1	2.4	2.3	2.7		
70-74	315	402	467	534	633	738	822	2.5	1.3	3.3	2.6	2.4	2.4		
75-79	188	274	326	383	433	510	615	3.8	1.7	2.9	3.6	3.0	2.7		
80-84	97	147	204	221	257	309	377	4.3	3.4	2.3	3.9	3.5	3.2		
85+	53	81	137	165	194	228	283	4.4	5.4	3.5	3.9	4.3	4.3		
Total	14,009	18,238	21,568	22,993	24,343	26,309	27,297	2.7	1.7	1.2	1.2	1.7	1.4		
II. Population projections by five-year age groups, 1981-2036 ('000s)															
Projection 1															
Under 15	5,481	5,529	5,407	5,048	4,519	3,777	3,390	2,899	0.1	-0.9	-1.5	-1.4	-1.9	-1.3	
15-19	2,315	1,827	1,855	1,879	1,902	1,518	1,279	1,179	-2.3	0.3	-0.7	-1.0	-1.4	-1.3	
20-24	2,344	1,987	1,883	1,911	1,935	1,785	1,429	1,286	-1.8	-0.4	-0.4	-1.0	-0.5	-1.8	
25-29	2,178	2,320	2,045	1,941	1,968	2,014	1,632	1,395	0.8	-1.8	-0.8	-1.0	-0.6	-1.8	
30-34	2,039	2,398	2,349	2,075	1,970	2,020	1,870	1,518	1.6	-1.4	-0.7	-1.0	-0.2	-1.4	
35-39	1,830	2,216	2,402	2,353	2,079	2,001	2,046	1,668	3.1	0.6	-0.4	-0.6	-1.1	-0.9	
40-44	1,338	2,034	2,205	2,390	2,342	1,968	2,014	1,868	4.3	1.8	-0.1	-0.2	-1.3	-0.3	
45-49	1,255	1,610	2,019	2,190	2,375	2,060	1,982	2,027	2.5	3.1	1.0	0.5	-0.4	-0.1	
50-54	1,243	1,307	1,594	2,000	2,171	2,311	1,943	1,992	0.5	4.3	2.3	0.9	1.0	-0.7	
55-59	1,180	1,210	1,289	1,573	1,972	2,326	2,021	1,946	0.3	2.7	2.6	1.1	2.6	-0.9	
60-64	979	1,165	1,179	1,260	1,538	2,090	2,221	1,846	1.7	0.8	2.4	1.1	3.4	-0.6	
65-69	844	1,055	1,099	1,118	1,199	1,829	2,152	1,875	2.3	0.6	2.2	1.3	3.3	0.1	
70-74	633	815	949	996	1,018	1,338	1,815	1,925	2.6	2.0	2.0	1.9	2.0	1.8	
75-79	433	616	690	809	854	949	1,440	1,891	3.6	2.8	1.7	2.3	1.1	2.9	
80-84	257	381	469	534	631	690	909	1,231	4.0	3.4	2.4	2.6	1.7	2.9	
85+	194	289	373	478	579	777	884	1,238	4.1	5.2	4.0	3.3	3.3	2.4	
Total	24,343	26,758	27,807	28,553	28,049	29,450	29,028	27,615	1.0	0.7	0.4	0.1	0.2	-0.3	
Projection 2															
Under 15	5,481	5,538	5,521	5,383	5,119	4,900	4,793	4,504	0.1	-0.3	-0.5	-0.5	-0.6	-0.4	
15-19	2,315	1,827	1,855	1,879	1,911	1,718	1,661	1,538	-2.3	0.3	-0.2	-0.2	-0.8	-0.2	
20-24	2,344	1,987	1,883	1,911	1,935	1,888	1,718	1,720	-1.6	-0.4	-0.2	-0.3	-0.1	-0.5	
25-29	2,178	2,320	2,045	1,941	1,967	2,021	1,826	1,769	0.8	-1.8	-0.8	-0.8	0.3	-0.7	
30-34	2,039	2,398	2,349	2,075	1,968	2,017	1,967	1,797	1.6	-1.4	-0.7	-0.6	-0.2	-0.6	
35-39	1,830	2,216	2,402	2,353	2,079	1,998	2,047	1,853	3.1	0.6	-0.4	-0.4	-1.1	-0.4	
40-44	1,338	2,034	2,205	2,390	2,341	1,963	2,007	1,957	4.3	1.8	-0.1	-0.1	-1.3	-0.0	
45-49	1,255	1,610	2,019	2,190	2,375	2,058	1,976	2,024	2.5	3.1	1.0	0.5	-0.4	-0.1	
50-54	1,243	1,307	1,594	2,000	2,171	2,310	1,939	1,982	0.5	4.3	2.3	0.9	1.0	-0.8	
55-59	1,180	1,210	1,289	1,573	1,972	2,325	2,018	1,939	0.3	2.7	2.6	1.1	2.6	-0.9	
60-64	979	1,165	1,179	1,260	1,538	2,090	2,221	1,871	1.7	0.8	2.4	1.1	3.4	-0.6	
65-69	844	1,055	1,099	1,118	1,199	1,828	2,150	1,870	2.3	0.6	2.2	1.3	3.3	0.1	
70-74	633	815	949	996	1,018	1,337	1,813	1,921	2.6	2.0	2.0	1.9	2.0	1.8	
75-79	433	616	690	809	853	948	1,438	1,889	3.6	2.8	1.7	2.3	1.1	2.9	
80-84	257	381	469	534	631	690	908	1,229	4.0	3.4	2.4	2.6	1.7	2.9	
85+	194	289	373	478	579	777	883	1,236	4.1	5.2	4.0	3.3	3.3	2.4	
Total	24,343	26,767	27,921	28,867	29,654	30,886	31,366	30,998	1.0	0.8	0.6	0.3	0.5	0.0	
Projection 3															
Under 15	5,481	5,546	5,588	5,508	5,348	5,265	5,263	5,088	0.1	-0.1	-0.2	-0.2	-0.3	-0.2	
15-19	2,315	1,831	1,879	1,923	1,973	1,836	1,821	1,830	-2.3	0.5	0.0	-0.0	-0.3	-0.0	
20-24	2,344	1,993	1,920	1,971	2,014	2,010	1,884	1,928	-1.8	-0.1	0.0	-0.1	0.1	-0.2	
25-29	2,178	2,326	2,092	2,022	2,071	2,160	2,020	2,003	0.7	1.4	-0.3	-0.3	0.4	-0.4	
30-34	2,039	2,402	2,389	2,158	2,087	2,174	2,184	2,046	1.7	-1.1	-0.4	-0.4	0.0	-0.3	
35-39	1,830	2,219	2,428	2,416	2,185	2,159	2,241	2,098	3.1	0.9	-0.1	-0.1	-0.7	-0.1	
40-44	1,338	2,036	2,220	2,430	2,418	2,115	2,196	2,183	4.3	1.8	0.2	0.2	-0.9	0.2	
45-49	1,255	1,611	2,030	2,216	2,425	2,186	2,156	2,235	2.5	3.2	1.2	0.7	-0.1	0.1	
50-54	1,243	1,308	1,604	2,020	2,206	2,404	2,106	2,184	0.5	4.4	2.5	1.1	1.2	-0.5	
55-59	1,180	1,212	1,301	1,594	2,003	2,393	2,161	2,132	0.3	2.8	2.8	1.3	2.7	-0.6	
60-64	979	1,166	1,191	1,283	1,588	2,146	2,332	2,050	1.8	1.0	2.5	1.3	3.5	-0.2	
65-69	844	1,056	1,109	1,139	1,230	1,877	2,232	2,019	2.3	0.8	2.3	1.5	3.4	0.4	
70-74	633	816	956	1,011	1,043	1,380	1,876	2,031	2.6	2.2	2.1	2.0	2.1	2.0	
75-79	433	616	694	818	870	982	1,487	1,764	3.6	2.9	1.9	2.4	1.2	3.0	
80-84	257	381	471	539	640	712	942	1,277	4.0	3.5	2.5	2.7	1.9	3.0	
85+	194	289	374	481	584	793	915	1,283	4.1	5.2	4.1	3.4	3.4	2.4	
Total	24,343	26,807	28,246	29,527	30,864	32,589	33,807	34,154	1.0	1.0	0.8	0.5	0.7	0.2	
Projection 4															
Under 15	5,481	5,546	5,622	5,646	5,591	6,267	6,870	6,850	0.1	0.2	0.5	0.5	0.7	0.4	
15-19	2,315	1,831	1,879	1,923	1,973	1,939	2,173	2,287	-2.3	0.5	0.2	0.5	0.1	0.8	
20-24	2,344	1,993	1,920	1,971	2,014	2,043	2,096	2,365	-1.8	-0.1	0.1	0.4	0.2	0.7	
25-29	2,178	2,326	2,092	2,023	2,071	2,160	2,120	2,348	0.7	-1.4	-0.3	0.0	0.4	0.4	
30-34	2,039	2,402	2,389	2,158	2,087	2,173	2,194	2,240	1.7	-1.1	-0.4	-0.2	0.0	0.2	
35-39	1,830	2,219	2,428	2,416	2,186	2,158	2,237	2,192	3.1	0.9	-0.1	-0.0	-0.8	0.1	
40-44	1,338	2,036	2,220	2,430	2,418	2,115	2,193	2,209	4.3	1.8	0.2	0.2	-0.9	0.2	
45-49	1,255	1,611	2,030	2,216	2,425	2,186	2,154	2,234	2.5	3.2	1.2	0.7	-0.1	0.1	
50-54	1,243	1,308	1,604	2,020	2,206	2,404	2,105	2,179	0.5	4.4	2.5	1.1	1.2	-0.5	
55-59	1,180	1,212	1,301	1,594	2,003	2,393	2,161	2,128	0.3	2.8	2.8	1.3	2.7	-0.6	
60-64	979	1,166	1,191	1,283	1,588	2,146	2,332	2,048	1.8	1.0	2.5	1.3	3.5	-0.2	
65-69	844	1,056	1,109	1,139	1,230	1,877	2,232	2,019	2.3	0.8	2.3	1.5	3.4	0.4	
70-74	633	816	956	1,011	1,043	1,380	1,875	2,029	2.6	2.2	2.1	2.0	2.1	1.9	
75-79	433	616	694												

Population by Ten-Year Age Groups, With Projections, 1951-2036

								Average annual growth rates (%)						
	1951	1961	1971	1976	1981	1986	1991	1951-1961	1961-1971	1971-1981	1981-1991	1951-1991	1961-1991	
I. Population by ten-year age groups, 1951-1991 ('000s)														
Under 15	4,251	6,192	6,381	5,896	5,481	5,392	5,693	3.8	0.3	-1.5	0.4	0.7	-0.3	
15-24	2,147	2,616	4,004	4,479	4,659	4,178	3,831	2.0	4.3	1.5	-1.9	1.5	1.3	
25-34	2,174	2,481	2,890	3,621	4,216	4,527	4,867	1.3	1.5	3.9	1.4	2.0	2.3	
35-44	1,868	2,390	2,526	2,597	2,968	3,641	4,371	2.5	0.6	1.6	3.9	2.1	2.0	
45-54	1,407	1,879	2,292	2,473	2,499	2,545	2,966	2.9	2.0	0.9	1.7	1.9	1.5	
55-64	1,077	1,289	1,732	1,924	2,159	2,328	2,400	1.8	3.0	2.2	1.1	2.0	2.1	
65-74	749	889	1,077	1,255	1,478	1,650	1,895	1.7	1.9	3.2	2.5	2.3	2.6	
75-84	285	421	530	583	689	820	992	4.0	2.3	2.7	3.7	3.2	2.9	
85+	53	81	137	165	194	228	283	4.4	5.4	3.5	3.9	4.3	4.3	
Total	14,009	18,238	21,568	22,993	24,343	25,309	27,297	2.7	1.7	1.2	1.2	1.7	1.4	
								1981-1991	1991-2001	1991-2016	1991-2036	2001-2016	2016-2036	
II. Population projections by ten-year age groups, 1981-2036 ('000s)														
Projection 1														
Under 15	5,481	5,529	5,407	5,048	4,519	3,777	3,390	2,899	0.1	-0.9	-1.5	-1.4	-1.9	-1.3
15-24	4,659	3,815	3,739	3,790	3,837	3,304	2,708	2,465	-2.0	-0.1	-0.6	-1.0	-0.9	-1.5
25-34	4,216	4,717	4,395	4,016	3,938	4,033	3,502	2,913	1.1	-1.6	-0.6	-1.1	0.0	-1.6
35-44	2,968	4,251	4,606	4,743	4,421	3,966	4,060	3,536	3.7	1.1	-0.3	-0.4	-1.2	-0.6
45-54	2,499	2,916	3,613	4,190	4,546	4,371	3,925	4,019	1.6	3.7	1.6	0.7	0.3	-0.4
55-64	2,159	2,375	2,468	2,832	3,508	4,417	4,245	3,822	1.0	1.8	2.5	1.1	3.0	-0.7
65-74	1,478	1,870	2,048	2,114	2,217	3,167	3,967	3,799	2.4	1.2	2.1	1.6	2.7	0.9
75-84	689	996	1,158	1,343	1,484	1,639	2,349	2,924	3.8	3.0	2.0	2.4	1.3	2.9
85+	194	289	373	478	579	777	884	1,238	4.1	5.2	4.0	3.3	3.3	2.4
Total	24,343	26,758	27,807	28,553	29,049	29,450	29,028	27,615	1.0	0.7	0.4	0.1	0.2	-0.3
Projection 2														
Under 15	5,481	5,538	5,521	5,363	5,119	4,900	4,793	4,504	0.1	-0.3	-0.5	-0.5	-0.6	-0.4
15-24	4,659	3,815	3,739	3,790	3,846	3,606	3,378	3,358	-2.0	-0.1	-0.2	-0.3	-0.3	-0.4
25-34	4,216	4,717	4,395	4,016	3,937	4,037	3,793	3,565	1.1	-1.6	-0.6	-0.6	0.0	-0.6
35-44	2,968	4,251	4,606	4,742	4,420	3,961	4,055	3,810	3.7	1.1	-0.3	-0.2	-1.2	-0.2
45-54	2,499	2,916	3,613	4,190	4,546	4,368	3,915	4,006	1.6	3.7	1.6	0.7	0.3	-0.4
55-64	2,159	2,375	2,468	2,832	3,508	4,415	4,240	3,810	1.0	1.8	2.5	1.1	3.0	-0.7
65-74	1,478	1,870	2,048	2,113	2,216	3,165	3,963	3,791	2.4	1.2	2.1	1.6	2.7	0.9
75-84	689	996	1,158	1,343	1,484	1,638	2,346	2,918	3.8	3.0	2.0	2.4	1.3	2.9
85+	194	289	373	478	579	777	883	1,236	4.1	5.2	4.0	3.3	3.3	2.4
Total	24,343	26,767	27,921	28,867	29,654	30,866	31,366	30,998	1.0	0.8	0.6	0.3	0.4	0.0
Projection 3														
Under 15	5,481	5,546	5,588	5,508	5,348	5,265	5,263	5,088	0.1	-0.1	-0.2	-0.2	-0.3	-0.2
15-24	4,659	3,824	3,799	3,893	3,986	3,846	3,716	3,758	-2.0	0.2	0.0	-0.0	-0.1	-0.1
25-34	4,216	4,728	4,481	4,181	4,158	4,333	4,184	4,048	1.2	-1.2	-0.3	-0.3	0.2	-0.3
35-44	2,968	4,255	4,648	4,846	4,603	4,274	4,437	4,281	3.7	1.3	0.0	0.0	-0.8	0.0
45-54	2,499	2,919	3,634	4,236	4,630	4,590	4,262	4,419	1.6	3.8	1.8	0.9	0.5	-0.2
55-64	2,159	2,378	2,492	2,876	3,571	4,538	4,493	4,182	1.0	1.9	2.6	1.3	3.1	-0.4
65-74	1,478	1,872	2,065	2,150	2,273	3,257	4,108	4,052	2.4	1.4	2.2	1.7	2.8	1.1
75-84	689	997	1,164	1,357	1,510	1,694	2,429	3,041	3.8	3.1	2.1	2.5	1.5	3.0
85+	194	289	374	481	584	793	915	1,284	4.1	5.2	4.1	3.4	3.4	2.4
Total	24,343	26,807	28,246	29,527	30,664	32,589	33,807	34,154	1.0	1.0	0.8	0.5	0.7	0.2
Projection 4														
Under 15	5,481	5,546	5,622	5,646	5,691	6,267	6,670	6,850	0.1	0.2	0.5	0.5	0.7	0.4
15-24	4,659	3,824	3,799	3,894	3,987	3,983	4,269	4,652	-2.0	0.2	0.2	0.4	0.2	0.8
25-34	4,216	4,728	4,481	4,181	4,159	4,332	4,314	4,588	1.2	-1.2	-0.3	-0.1	0.2	0.3
35-44	2,968	4,255	4,648	4,846	4,604	4,273	4,431	4,400	3.7	1.3	0.0	0.1	-0.8	0.1
45-54	2,499	2,919	3,634	4,236	4,631	4,590	4,258	4,408	1.6	3.8	1.8	0.9	0.5	-0.2
55-64	2,159	2,378	2,492	2,877	3,571	4,538	4,492	4,176	1.0	1.9	2.6	1.3	3.1	-0.4
65-74	1,478	1,872	2,065	2,150	2,273	3,256	4,107	4,048	2.4	1.4	2.2	1.7	2.8	1.1
75-84	689	997	1,164	1,357	1,510	1,693	2,428	3,038	3.8	3.1	2.1	2.5	1.5	3.0
85+	194	289	374	481	584	793	915	1,283	4.1	5.2	4.1	3.4	3.4	2.4
Total	24,343	26,807	28,280	29,667	31,009	33,726	35,884	37,444	1.0	1.0	0.9	0.7	0.9	0.5

Source: Population: Statistics Canada, Age, Sex and Marital Status, Catalogue no. 93-310, 1991 Census, July 1992, Table 1;

Projections: Statistics Canada, Population Projections For Canada, Provinces and Territories 1989-2011, Catalogue no. 91-520, March 1990, Part 3.

Percentage Distribution of Population and Projected Population by Ten-Year Age Groups, 1951-2036

	1951	1961	1971	1976	1981	1986	1991
I. Percentage distribution of population by ten-year age groups, 1951-1991							
Under 15	30.3	34.0	29.6	25.6	22.5	21.3	20.9
15-24	15.3	14.3	18.6	19.5	19.1	16.5	14.0
25-34	15.5	13.6	13.4	15.7	17.3	17.9	17.8
35-44	13.3	13.1	11.7	11.3	12.2	14.4	16.0
45-54	10.0	10.3	10.6	10.8	10.3	10.1	10.9
55-64	7.7	7.1	8.0	8.4	8.9	9.2	8.8
65-74	5.3	4.9	5.0	5.5	6.1	6.5	6.9
75-84	2.0	2.3	2.5	2.5	2.8	3.2	3.6
85+	0.4	0.4	0.6	0.7	0.8	0.9	1.0
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0

	1981	1991	1996	2001	2006	2016	2026	2036
II. Percentage distribution of projected population by age groups, 1981-2036								
Projection 1								
Under 15	22.5	20.7	19.4	17.7	15.6	12.8	11.7	10.5
15-24	19.1	14.3	13.4	13.3	13.2	11.2	9.3	8.9
25-34	17.3	17.6	15.8	14.1	13.6	13.7	12.1	10.5
35-44	12.2	15.9	16.6	16.6	15.2	13.5	14.0	12.8
45-54	10.3	10.9	13.0	14.7	15.7	14.8	13.5	14.6
55-64	8.9	8.9	8.9	9.9	12.1	15.0	14.6	13.8
65-74	6.1	7.0	7.4	7.4	7.6	10.8	13.7	13.8
75-84	2.8	3.7	4.2	4.7	5.1	5.6	8.1	10.6
85+	0.8	1.1	1.3	1.7	2.0	2.6	3.0	4.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Projection 2

Under 15	22.5	20.7	19.8	18.6	17.3	15.9	15.3	14.5
15-24	19.1	14.3	13.4	13.1	13.0	11.7	10.8	10.8
25-34	17.3	17.6	15.7	13.9	13.3	13.1	12.1	11.5
35-44	12.2	15.9	16.5	16.4	14.9	12.8	12.9	12.3
45-54	10.3	10.9	12.9	14.5	15.3	14.2	12.5	12.9
55-64	8.9	8.9	8.8	9.8	11.8	14.3	13.5	12.3
65-74	6.1	7.0	7.3	7.3	7.5	10.3	12.6	12.2
75-84	2.8	3.7	4.1	4.7	5.0	5.3	7.5	9.4
85+	0.8	1.1	1.3	1.7	2.0	2.5	2.8	4.0
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Projection 3

Under 15	22.5	20.7	19.8	18.7	17.4	16.2	15.6	14.9
15-24	19.1	14.3	13.5	13.2	13.0	11.8	11.0	11.0
25-34	17.3	17.6	15.9	14.2	13.6	13.3	12.4	11.9
35-44	12.2	15.9	16.5	16.4	15.0	13.1	13.1	12.5
45-54	10.3	10.9	12.9	14.3	15.1	14.1	12.6	12.9
55-64	8.9	8.9	8.8	9.7	11.6	13.9	13.3	12.2
65-74	6.1	7.0	7.3	7.3	7.4	10.0	12.2	11.9
75-84	2.8	3.7	4.1	4.6	4.9	5.2	7.2	8.9
85+	0.8	1.1	1.3	1.6	1.9	2.4	2.7	3.8
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Projection 4

Under 15	22.5	20.7	19.9	19.0	18.4	18.6	18.6	18.3
15-24	19.1	14.3	13.4	13.1	12.9	11.8	11.9	12.4
25-34	17.3	17.6	15.8	14.1	13.4	12.8	12.0	12.3
35-44	12.2	15.9	16.4	16.3	14.8	12.7	12.3	11.8
45-54	10.3	10.9	12.9	14.3	14.9	13.6	11.9	11.8
55-64	8.9	8.9	8.8	9.7	11.5	13.5	12.5	11.2
65-74	6.1	7.0	7.3	7.2	7.3	9.7	11.4	10.8
75-84	2.8	3.7	4.1	4.6	4.9	5.0	6.8	8.1
85+	0.8	1.1	1.3	1.6	1.9	2.4	2.5	3.4
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: See Table O-7.

Population Densities by Province, 1951-1991

	1951		1961		1971		1986 Area (sq. km)
	Popu- lation	Pop./ sq. km	Popu- lation	Pop./ sq. km	Popu- lation	Pop./ sq. km	
Nfld.	361	1.0	458	1.2	522	1.4	371,635
P.E.I.	98	17.4	105	18.5	112	19.7	5,660
N.S.	643	12.2	737	13.9	789	14.9	52,841
N.B.	516	7.2	598	8.4	635	8.9	71,569
Que.	4,056	3.0	5,259	3.9	6,028	4.4	1,357,812
Ont.	4,598	5.0	6,236	6.8	7,703	8.4	916,734
Man.	777	1.4	922	1.7	988	1.8	547,704
Sask.	832	1.5	925	1.6	926	1.6	570,113
Alta.	940	1.5	1,332	2.1	1,628	2.6	638,233
B.C.	1,165	1.3	1,629	1.8	2,185	2.4	892,677
Yukon	9	0.0	15	0.0	18	0.0	531,844
N.W.T.	16	0.0	23	0.0	35	0.0	3,246,389
Canada	14,009	1.5	18,238	2.0	21,568	2.3	9,203,210

	1981		1986		1991	
	Popu- lation	Pop./ sq. km	Popu- lation	Pop./ sq. km	Popu- lation	Pop./ sq. km
Nfld.	568	1.5	568	1.5	568	1.5
P.E.I.	123	21.6	127	22.4	130	22.9
N.S.	847	16.0	873	16.5	900	17.0
N.B.	696	9.7	709	9.9	724	10.1
Que.	6,438	4.7	6,532	4.8	6,896	5.1
Ont.	8,625	9.4	9,102	9.9	10,085	11.0
Man.	1,026	1.9	1,063	1.9	1,092	2.0
Sask.	968	1.7	1,010	1.8	989	1.7
Alta.	2,238	3.5	2,366	3.7	2,546	4.0
B.C.	2,744	3.1	2,883	3.2	3,282	3.7
Yukon	23	0.0	24	0.0	28	0.1
N.W.T.	46	0.0	52	0.0	58	0.0
Canada	24,343	2.6	25,309	2.8	27,297	3.0

Sources: **Population:** 1951-1986: Statistics Canada, *Age, Sex and Marital Status*, 1986 Census, Catalogue no. 93-101, Table 1; **1991:** Statistics Canada, *A National Overview*, Cat. no. 93-301, 1991 Census, April 1992, p. 7.

Areas: Part 1 for each province in the Catalogue series 94-101 to 94-124, *1986 Census*, p. 1. Areas in the 1986 Census are the most accurate to date, and thus have been used exclusively.

Note: Land area estimates exclude, wherever feasible, large bodies of water.

Population in Census Metropolitan Areas and in Rural and Urban Areas, 1961-1991

	1961	1966	1971	1976	1981	1986	1991	AAGR (%)			
								1961–1971	1971–1981	1981–1991	1961–1991
I. Population in census metropolitan areas (ranked using 1991 census) ('000s)											
Toronto	1,825	2,290	2,602	2,803	3,130	3,432	3,893	3.6	1.9	2.2	2.6
Montreal	2,111	2,571	2,729	2,803	2,862	2,921	3,127	2.6	0.5	0.9	1.3
Vancouver	790	933	1,082	1,166	1,268	1,381	1,603	3.2	1.6	2.4	2.4
Ottawa–Hull	430	529	620	693	744	819	921	3.7	1.8	2.2	2.6
Ontario part	333	398	474	521	557	619	694	3.6	1.6	2.2	2.5
Quebec part	97	130	146	172	186	200	227	4.2	2.5	2.0	2.9
Edmonton	338	425	496	556	741	774	840	3.9	4.1	1.3	3.1
Calgary	279	331	403	471	626	671	754	3.8	4.5	1.9	3.4
Winnipeg	477	509	550	578	592	625	652	1.4	0.7	1.0	1.1
Quebec	358	437	501	542	584	603	646	3.4	1.5	1.0	2.0
Hamilton	395	457	503	529	542	557	600	2.4	0.7	1.0	1.4
London	181	254	253	270	327	342	382	3.4	2.6	1.6	2.5
St. Catharines	96	285	286	302	343	343	365	11.6	1.8	0.6	4.6
Kitchener	155	192	239	272	288	311	356	4.4	1.9	2.2	2.8
Halifax	184	210	251	268	278	296	321	3.1	1.0	1.4	1.9
Victoria	154	175	196	218	241	255	288	2.4	2.1	1.8	2.1
Windsor	193	238	249	248	251	254	262	2.5	0.1	0.4	1.0
Oshawa	81	106	120	135	186	204	240	4.0	4.5	2.6	3.7
Saskatoon	96	116	126	134	175	201	210	2.8	3.3	1.8	2.7
Regina	112	132	141	151	173	187	192	2.3	2.1	1.0	1.8
St. John's	92	118	132	145	155	162	172	3.7	1.6	1.0	2.1
Chicoutimi	105	133	126	129	158	158	161	1.8	2.3	0.2	1.4
Sudbury	111	137	158	157	156	149	158	3.6	−0.1	0.1	1.2
Sherbrooke	70	80	98	105	125	130	139	3.3	2.5	1.1	2.3
Trois Rivières	88	95	98	106	125	129	136	1.0	2.5	0.8	1.5
Saint John	96	104	107	113	121	121	125	1.1	1.3	0.3	0.9
Thunder Bay	92	108	115	119	122	122	124	2.3	0.6	0.2	1.0
CMA total	8,907	10,966	12,180	13,015	14,314	15,149	16,665	3.2	1.6	1.5	2.1
Total Canada	18,238	20,015	21,568	22,993	24,343	25,309	27,297	1.7	1.2	1.2	1.4
CMA Share	48.8%	54.8%	56.5%	56.6%	58.8%	59.9%	61.1%	1.5	0.4	0.4	0.7

Definition: A census metropolitan area (CMA) is a very large urbanized core, together with adjacent urban and rural areas which have a high degree of economic and social integration within that core. It is generally defined as the main labour market area (the urbanized core) of at least 100,000 population, based on the previous census. Smaller labour market areas, centred on urbanized cores of at least 10,000 population are termed census agglomerations (CA). Note that some CMAs which were CAs in previous censuses have been included in CMA totals in previous years to maintain consistent data.

Note: The areas of CMAs sometimes change with each census. CMA population estimates are taken from the following census, whenever possible.

II. Population in urban and rural areas ('000s)

Urban	12,700	14,727	16,400	17,367	18,436	19,352	20,907	2.6	1.2	1.3	1.7
Rural	5,538	5,288	5,168	5,626	5,907	5,957	6,390	-0.7	1.3	0.8	0.5
Total	18,238	20,015	21,568	22,993	24,343	25,309	27,297	1.7	1.2	1.2	1.4
% urbanized	69.6	73.6	76.0	75.5	75.7	76.5	76.6				
% rural	30.4	26.4	24.0	24.5	24.3	23.5	23.4				

Sources:

CMA: 1961: Statistics Canada, *Incorporated Cities, Towns and Villages*, Cat. no. 92-607, 1966 Census, Table 11; 1966: SC, *Cities, Towns, Villages, Census Metropolitan Areas and Census Agglomerations*, Cat. no. 92-708, 1971 Census, Tables 8 and 9; 1971: SC, *Municipalities, Census Metropolitan Areas and Census Agglomerations*, Cat. no. 92-806, 1976 Census, Table 6; 1976: SC, *Census Metropolitan Areas With Components*, Cat. no. 95-943, 1981 Census, Table 1; 1981: SC, *Census Metropolitan Areas and Census Agglomerations*, Cat. no. 92-104, 1986 Census, Table 2; 1986 and 1991: SC, *A National Overview*, Cat. no. 93-901, 1991 Census, p. 20.

Urban-Rural: 1961-1966: SC, *Urban and Rural Distribution*, Cat. no. 92-608, 1966 Census, Table 13; 1971-1976: SC, *Urban and Rural Distribution*, Cat. no. 92-807, 1976 Census, Table 7; 1981: SC, *Population: Age, Sex and Marital Status: Canada, Provinces, Urban Size Groups, Rural and Non-Farm and Rural Farm*, Cat. no. 92-901, 1981 Census, Table 6; 1986: *Canada's Population From Ocean to Ocean*, Cat. no. 98-120, 1986 Census, Table 6; 1991: Statistics Canada, *A National Overview*, Cat. no. 93-901, 1991 Census, p. 24.

Note: Urban includes all persons living in areas with more than 1,000 persons.

Urban Population by Size Groups with Rural Breakdown, 1961-1991

								Average annual growth rates (%)				
								1961-1971	1971-1981	1981-1991	1961-1991	1986-1991
I. Population												
<u>Urban size groups</u>												
1,000 - 2,499	779	802	745	722	692	677	625	-0.4	-0.7	-1.0	-0.7	-1.6
2,500 - 4,999	640	813	702	763	799	755	745	0.9	1.3	-0.7	0.5	-0.3
5,000 - 9,999	604	700	751	730	794	797	866	2.2	0.6	0.9	1.2	1.7
10,000 - 29,999	1,049	1,155	1,575	1,642	1,561	-	-	4.1	-0.1	-	-	-
30,000 - 99,999	1,705	1,786	1,543	1,824	1,997	-	-	-1.0	2.6	-	-	-
100,000+	2,754	2,941	3,117	3,467	3,558	3,759	4,011	1.2	1.3	1.2	1.3	1.3
100,000-499,999	7,924	9,469	11,085	11,685	12,593	13,363	14,660	3.4	1.3	1.5	2.1	1.9
500,000+	-	3,599	3,908	3,170	2,558	2,694	2,889	-	-4.1	1.2	-	1.4
Total urban	12,700	14,727	16,400	17,367	18,436	19,352	20,907	-	3.4	1.6	-	2.0
<u>Rural</u>												
Farm	2,073	1,914	1,162	1,035	1,040	890	n/a	-5.6	-1.1	-	-	-
Non-farm	3,465	3,374	4,006	4,591	4,867	5,067	n/a	1.5	2.0	-	-	-
Total rural	5,538	5,288	5,168	5,626	5,907	5,957	6,390	-0.7	1.3	0.8	0.5	1.4
Total Canada	18,238	20,015	21,568	22,993	24,343	25,309	27,297	1.7	1.2	1.2	1.4	1.5
II. Percentage distribution of total population by urban and rural areas												
<u>Urban size groups</u>												
1,000 - 2,499	4.3	4.0	3.5	3.1	2.8	2.7	2.3					
2,500 - 4,999	3.5	4.1	3.3	3.3	3.3	3.0	2.7					
5,000 - 9,999	3.3	3.5	3.5	3.2	3.3	3.2	3.2					
10,000 - 29,999	5.8	5.8	7.3	7.1	6.4	-	-					
30,000 - 99,999	9.3	8.9	7.2	7.9	8.2	-	-					
100,000+	15.1	14.7	14.5	15.1	14.6	14.9	14.7					
100,000-499,999	43.4	47.3	51.4	50.8	51.7	52.8	53.7					
500,000+	-	18.0	18.1	13.8	10.5	10.6	10.6					
Total urban	69.6	73.6	76.0	75.5	75.7	76.5	76.6					
<u>Rural</u>												
Farm	11.4	9.6	5.4	4.5	4.3	3.5	-					
Non-farm	19.0	16.9	18.6	20.0	20.0	20.0	-					
Total rural	30.4	26.4	24.0	24.5	24.3	23.5	23.4					
Total Canada	100.0	100.0	100.0	100.0	100.0	100.0	100.0					

Sources: 1961: Statistics Canada, 1961 Census, Vol. 1, Table 14; 1966 Urban: SC, *Urban and Rural Distribution*, Catalogue no. 92-608, 1966 Census, Table 14; 1966 Rural: Cat. no. 92-608, 1966 Census, Table 13; 1971 and 1976: SC, *Urban and Rural Distribution*, Cat. no. 92-807, 1976 Census, Table 7; 1981: SC, *Population: Age, Sex and Marital Status: Canada, Provinces, Urban Size Groups, Rural and Non-Farm and Rural Farm*, Cat. no. 92-901, 1981 Census, Table 6; 1986 Urban: *Population and Dwelling Counts, Provinces and Territories: Yukon*, Cat. no. 92-119, 1986 Census, p. 8-1. 1986 Rural: Statistics Canada, *Urban and Rural Areas, Canada, Provinces and Territories, Part 1*, Catalogue no. 94-129, 1986 Census, p. 1; 1991: SC, *Urban Areas*, Cat. no. 93-305, Table 3.

Definitions:

Urban population: persons living in a continuously built-up area having a population concentration of 1,000 or more and a population density of 400 or more per square kilometre, based on the previous census. To be considered as continuous, the built-up area must not have a discontinuity exceeding two kilometres.

Rural population: persons living outside "urban areas".

Note: Total urban population of at least 100,000 persons differs from CMA totals because the latter include both urban populations from smaller centres and populations from rural fringes. Note also that population has been collected into urban size groupings based on a census division (i.e. county, regional municipality) level of aggregation.

Summary Statistics on *Intercity Passenger Transportation Data Compendium*, Mark V

Section	Material	Number of tables	Number of pages	% of total tables	% of total pages
Travel statistics					
A	CTS—domestic travel	24	24	14.2	10.6
B-1	CTS—international travel	4	10	2.4	4.4
B-2	Other international travel	4	4	2.4	1.8
	Subtotal	32	38	18.9	16.8

Revenue and traffic statistics by mode

C-1	Air transport	20	22	11.8	9.7
C-2	Rail transport	7	10	4.1	4.4
C-3	Bus transport	5	5	3.0	2.2
C-4	Road/car transport	10	10	5.9	4.4
C-5	Ferry transport	4	4	2.4	1.8
C-6	Total domestic travel	2	2	1.2	0.9
	Subtotal	48	53	28.4	23.5

Other related Canadian statistics

D	Financial statistics	15	15	8.9	6.6
E	Employment statistics	11	17	6.5	7.5
F	Family expenditure	10	17	5.9	7.5
G	Consumer price indexes	2	2	1.2	0.9
H	Capital stocks and flows	5	5	3.0	2.2
I	Construction investment	4	10	2.4	4.4
J	Public finance statistics	4	4	2.4	1.8
K	Gross domestic product	1	4	0.6	1.8
L	Energy statistics	3	3	1.8	1.3
M	Pollution statistics	2	2	1.2	0.9
	Subtotal	57	79	33.7	35.0

International comparisons

N-1	U.S. statistics	8	13	4.7	5.8
N-2	International air transport	7	12	4.1	5.3
N-3	International surface transport	6	20	3.6	8.8
	Subtotal	21	45	12.4	19.9

Population

O	Population of Canada	11	11	6.5	4.9
Grand total		169	226	100.0	100.0

